



PathosolutionsTM

The future starts here

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More
information
on our website

www.pathosolutions.eu

About us

We are a modern, dynamically developing **Polish company that has been dedicated to helping anatomic pathology laboratories since 1998.**

Our Mission

Our Mission is to provide the best solutions for pathology laboratories that help during patient diagnostic process. **Every day we develop and create new solutions that can contribute to the improvement of oncological diagnostics.** That is why we created our own brand: Pathosolutions



Pathosolutions is a brand that **was created due to cooperation with histopathology professionals, R&D specialists, technicians and staff with a long term experience in histopathology and manufacturing process.** We offer an extensive portfolio of self-manufactured products like consumables, storage containers, reagents and more.

With our dedicated Research & Development team and manufacturing facilities, we are committed to advancing healthcare solutions. Our modern equipment, including molding machines, scanners, and CNC machines, enables us to produce high-quality medical devices that meet the highest standards of precision and reliability. At Elektro Med, innovation and excellence drive us to improve patient outcomes and enhance the quality of people's lives.

We take care of every detail of the products we manufacture that is why we have implemented a quality management system compliant with EN ISO 9001:2015 and 13485:2016. Certification is confirmation of our ability to produce high-quality products that meet market standards and regulatory requirements.



What makes us special?



Safe cooperation

Since 1998, we have been providing solutions for histopathological diagnostics. We are an experienced business partner registered in the EUDAMED (European database on medical devices)



Compliance with regulations

Our products are compliant with to ISO 13485 standards as well as CE IVDR, if required



Customer satisfaction

We design and produce products based on customer opinions, histopathologists recommendations and international standards



Supply chain

We do not use external production companies which allows us to optimize costs and ensuring continuity of supplies. Our goods are available "on the spot"



Custom production

We offer the highest quality design and manufacturing services



High quality

Due to our experience and our work we managed to create highest quality products



Water Bath Transport System WBTS

Water Bath Transport System WBTS is a new generation solution for transporting sections to water bath. Designed for user comfort and improving the efficiency of the histopathology laboratories. Integrated with microtome. WBTS is equipped with closed water circulation system with smooth regulation of the flow rate in the range from 0 to 1300 ml/min.

Cut material and transport scraps to the illuminated water bath

Regulated water flow prevents damage to tissue sections and allows for increased cutting efficiency. Due to the smooth water flow, the sections are stretched. This solution allows for high-quality sections.



Large 800 ml water bath
with smooth temperature control from 0°C to 50°C



Liquid level sensor
Sensor controlling the liquid level in the bath



Removable bath
The removable water bath makes cleaning easier and allows you to quickly fill the container with water



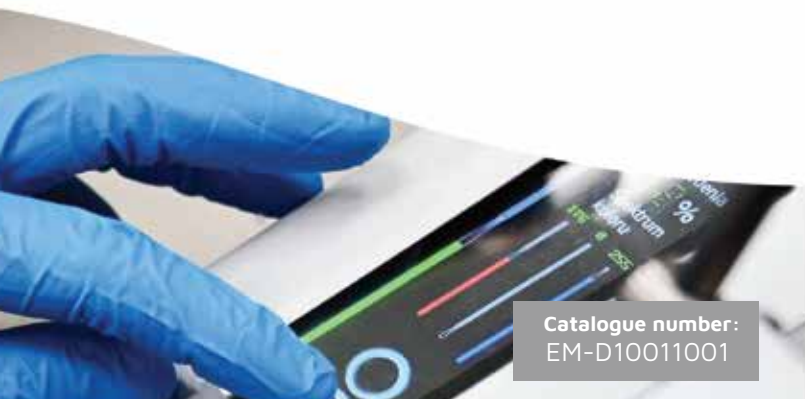
Induction water heating
Fast and efficient water heating



Energy efficient LED lighting
that uses less energy while having a long service life



Power failure protection
Automatic shutdown of water heating in the case of a power failure, the pump stops working



Catalogue number:
EM-D10011001

User friendly, intuitive touchscreen

Control via a capacitive touch screen equipped with a RTC clock



Pathosolutions Cell Packing Kit

A method created for H&E, special IHC staining and FISH procedures to prepare cytoblock from cell suspensions.

The pack contains:

- ✓ Pathosolutions Cell Packing reagent, Reagent 1 (colored liquid); 15ml
- ✓ Pathosolutions Cell Packing reagent, Reagent 2 (clear liquid) 15 ml

A set of reagents for cross-linking fixed human cells, enabling the preparation of a paraffin block from cytological material.

Also recommended for the processing of tissues and biopsies (fragments) that are difficult or impossible to process using other techniques.

What makes Pathosolutions Cell Packing Kit best solution on the market?

- ✓ Easy to use, does not require **any additional laboratory resources, saving time and equipment costs**
- ✓ **Allows to work with oligocellular material**
- ✓ **Simple to use** which practically excludes the occurrence of a mistake
- ✓ For immediate use, no cooking or heating required

Catalogue number

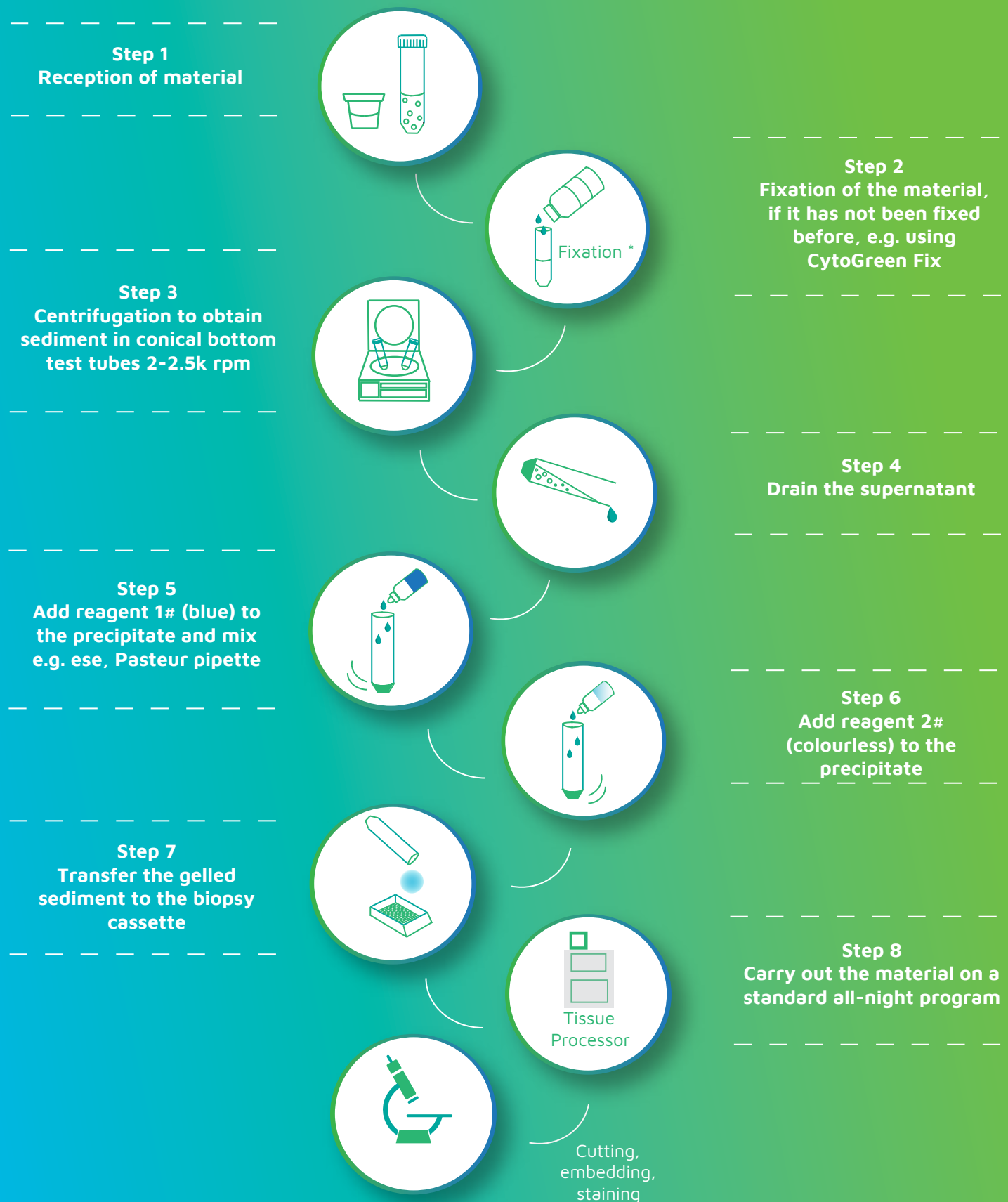
Pathosolutions Cell Packing **EM-6100012**



REAGENTS



How to use **Pathosolutions Cell Packing Kit** ?



Warning:

Do not use phosphate buffered formalin.
Unbuffered or buffered formalin can be used, e.g. ClearFix

Case #1

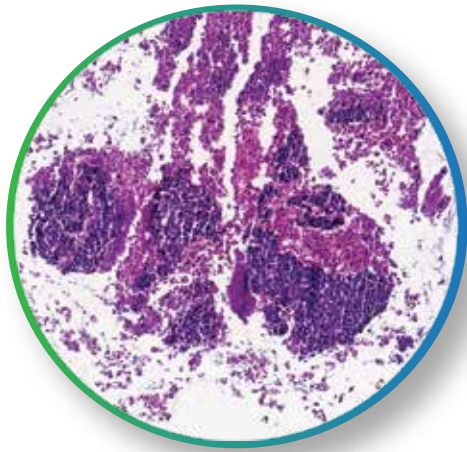
Patient Information: Female, 65 years old

Primary staining: Eosin & Hematoxylin

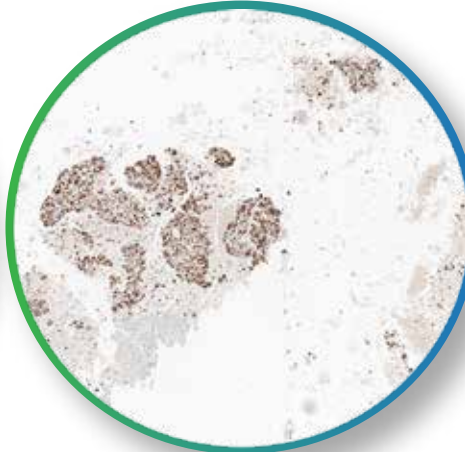
Description of the preparation: **non-small cell carcinoma cells have been detected**

Data on scanned preparations:

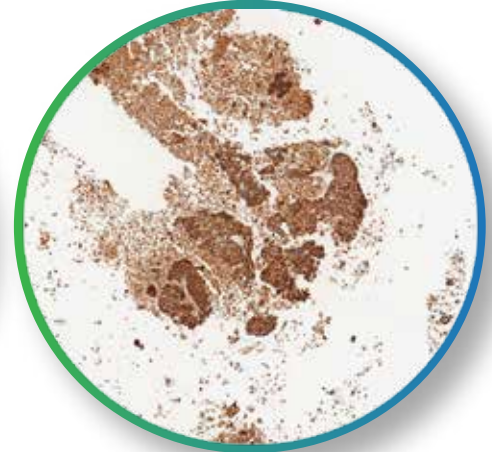
- ✓ Scans made using the KF BIO scanner
- ✓ Model: KF-PRO-400
- At 40X magnification



H&E staining



Ki67 (+) positive



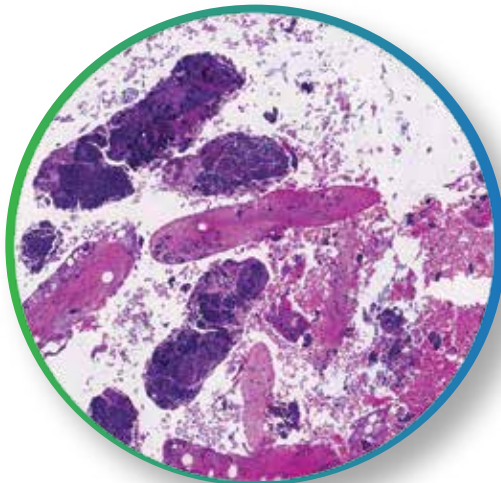
CK Pan (+) positive

Case #2

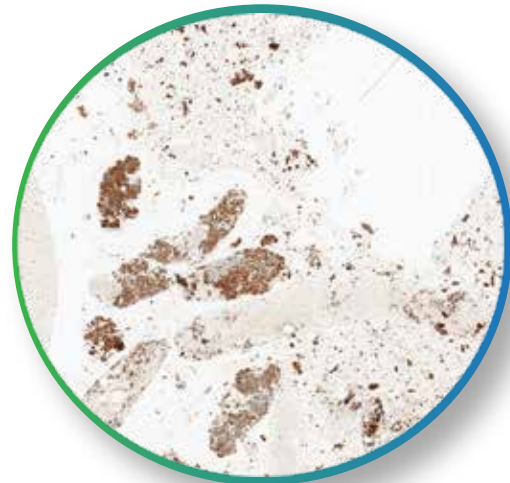
Patient Information: Female, 55 years old

Primary staining: Eosin & Hematoxylin

Description of the preparation: **non-small cell carcinoma cells have been detected**



H&E staining



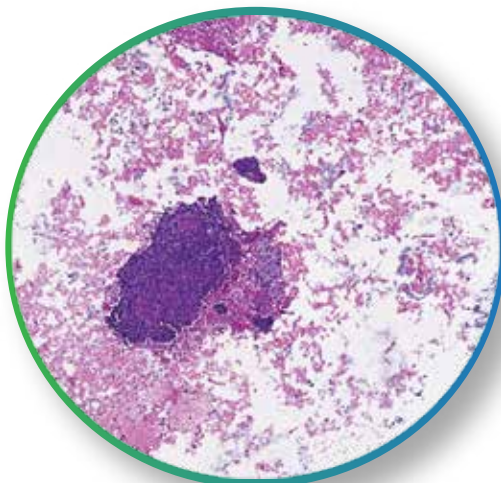
TTF1 (+) positive

Case #3

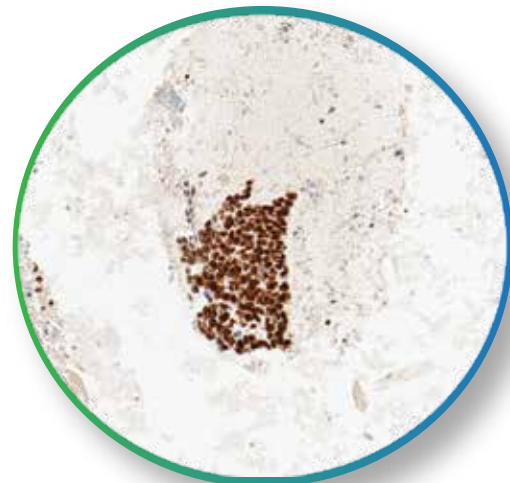
Patient Information: Female, 56 years old

Primary staining: Eosin & Hematoxylin

Description of the preparation: **squamous cell carcinoma cells have been detected**



H&E staining



P40 (+) positive



CytoGreen Fix

Catalogue number

CytoGreen Fix 1 l

EM-611001



Freezing spray

Catalogue number

Freezing spray 400 ml

EM-510400



ClearFix

Catalogue number

ClearFix 1l

EM-R18011002

Pathosolutions CytoGreen Fix is an efficient fixative designed for the fixation of cytological specimens. **Compatible with the PCP - Pathosolutions Cell Packing Kit for the preparation of cytoblocks.**

Effectively protects the material from mechanical damage while preserving the cellular details necessary to make a diagnosis. Fixed samples can be stored for several days or weeks without negative effects. Ready to use.



Freezing spray allows for quick and effective freezing of fresh tissues to a temperature of -50°C.

Recommended for preparing material in a short biopsy procedures and as an aid for freezing material cut on a microtome. Ozone friendly, with comfortable trigger nozzle that gives more precision during work.



Fixative for histological samples based on 10% stabilized formalin with pH 7.2 - 7.4.

Ideal for samples designed for for cytoblocks using the PCP - Pathosolutions Cell Packing Kit or similar. Ready to use.



REAGENTS



PATHOSOLUTIONS PREMIUM Embedding cassettes

Pathosolutions Premium cassettes are designed for histopathological sections. They are characterized by high resistance to chemical reagents and fixatives used in the histopathological process. Cassettes are durable and resistant to deformation, while maintaining the optimal flow area of process reagents.

Guarantee of material safety

three-point closing design prevents accidental opening of the cassette in the histopathology process

Increased reagent flow

During maintaining optimal mechanical strength

Large, rounded and specially shaped handle

for easy closing and opening of the cassette

Three-sided description surface

possibility to describe the cassette on three sides using a pencil and marker

Light, pastel colors

Light, pastel colors provide a high contrast between the description/print and the color of the cassette, which makes it easier to identify the sample

improved front descriptive surface

Suitable for marking with printers and traditional methods

HISTOPATHOLOGICAL CASSETTES



Embedding cassettes 1 x 5

- ✓ 80 holes in the base and in the cover
- ✓ **increased reagents flow up to 25%**
(versus other available 1x5 mm cassettes)

Catalogue number

White	EM-750102W
Yellow	EM-750102Y
Pink	EM-750102P
Blue	EM-750102B
Green	EM-750102G
Grey	EM-750102GY
Aqua	EM-750102T
Violet	EM-750101V



Embedding cassette with triangular holes

Thin ribs in the uniquely designed triangular holes allow for a large surface area for the flow of reagents in the histopathological process, ensuring even tissue permeation, which minimizes the risk of insufficient material fixation, especially in the case of large tissues.

Catalogue number

White	EM-C1700100W
Yellow	EM-C1700100Y
Pink	EM-C1700100P
Blue	EM-C1700100B
Green	EM-C1700100G



Embedding cassettes 2 x 2

- ✓ 120 holes in the base and in the cover
- ✓ **increased reagents flow up to 93%**
(versus other available 2x2 mm cassettes)

Catalogue number

White	EM-750101W
Yellow	EM-750101Y
Pink	EM-750101P
Blue	EM-750101B
Green	EM-750101G

The cassettes are available in many colors, in packs of 1000 pieces. In the case of larger annual orders, it is possible to make them according to your own color preferences.



Biopsy Filters

Reagent-resistant biopsy filters. They adjust securely to cassette walls, minimizing the risk of sample loss. The light blue color provides excellent contrast with tissue specimens. Fully compatible with all standard processing cassettes.

Catalogue number

Biopsy filters 25 x 30 mm, white	EM-710100W
Biopsy filters 25 x 30 mm, blue	EM-710100B



Microscope slides with color frosted

Microscope slides with ground edges at 90°, designed for use in diagnostic laboratories. Optically clean glass. **Frost ends compatible with printers and traditional marking method.**

Manufactured in accordance with the requirements of the ISO 8037-1.

Package: 50 pieces.

Catalogue number

White	EM-900100W
Yellow	EM-900100Y
Pink	EM-900100P
Blue	EM-900100B
Green	EM-900100G
Purple	EM-900100M
Orange	EM-900100O
Beige	EM-900100T



Microscope slides with 90° cut and ground edges

Microscope slides with cut or ground edges at 90°, designed for use in diagnostic laboratories.

Available in three variants:

- ✓ **plain**
- ✓ **with single frosted description field**
- ✓ **with double frosted description field**

Microscope slides with ground edges manufactured in accordance with the requirements of the ISO 8037-1.

Package: 50 pieces.

Catalogue number

EM-900111	Microscope slides 90° ground edges, plain
EM-900112	Microscope slides 90° ground edges with single frosted description field
EM-900113	Microscope slides 90° ground edges with double frosted description field
EM-900121	90° cut edges, plain
EM-900122	90° cut edges with single frosted description field
EM-900123	90° cut edges with double frosted description field





Cover glasses

Pathosolutions coverslips are high-quality, colorless and transparent coverslips designed for covering microscopic slides. Designed for automated systems and manual methods.

They are characterized by smooth surface and high optical homogeneity.

Packed in a vertical position, 100 pieces each, so they can be easily removed from the packaging.

Manufactured in accordance with the requirements of the ISO 8255-1.

Thickness in the range of 0.13-0.16 mm.



Catalogue number

Coverslips 18x18 mm*	EM-900181818IP
Coverslips 20x20 mm*	EM-900182020IP
Coverslips 22x22 mm*	EM-900182222IP
Coverslips 22x32 mm*	EM-900182232IP
Coverslips 22x40 mm*	EM-900182240IP
Coverslips 24x24 mm*	EM-900182424IP
Coverslips 24x32 mm*	EM-900182432IP
Coverslips 24x40 mm	EM-900182440IP
Coverslips 24x50 mm	EM-900182450IP
Coverslips 24x60 mm	EM-900182460IP

*Custom sizes available on request



MICROSCOPE SLIDES



Containers for transporting material



Containers for safe storage and transport of surgical material fixed in formalin, made of high-quality polypropylene. **With a screw cap or a leak-proof, press-on lid, preventing accidental opening of the container.** Each container has a label with pictograms.

They are available in bulk packaging.

Key Features:

- ✓ A closure that prevents accidental opening of the container as well as spillage of fixative
- ✓ Resistant to formaldehyde solution in various concentrations (formalin)

Catalogue number

Container with a screw cap 15 ml*	EM-100020
Container with a screw cap 30 ml*	EM-100030
Container with a screw cap 40 ml*	EM-100040
Container with a screw cap 60 ml*	EM-100060
Container with a screw cap 100 ml*	EM-100100
Container with a screw cap 120 ml*	EM-100120C
Container with a screw cap 150 ml*	EM-100150
Container with a screw cap 200 ml*	EM-100200

Push-lock container, without handle, capacity 120 ml	EM-100120
Push-lock container, without handle, capacity 366 ml*	EM-100366
Push-lock container, without handle, capacity 520 ml	EM-100520
Push-lock container, with handle, capacity 1200 ml	EM-101200
Push-lock container, with handle, capacity 2300 ml*	EM-102400
Push-lock container, with handle, capacity 3400 ml	EM-103400
Push-lock container, with handle, capacity 5600 ml	EM-105600
Push-lock container, with handle, capacity 10,6 l*	EM-1011000
Push-lock container, with handle, capacity 16 l*	EM-1016000

*Custom capacity available upon request



CONTAINERS FOR TRANSPORTING



Histology Paraffin

Available in a classic version or with the addition of DMSO (less than 1%) and in various sizes of packaging.

Catalogue number

Paraffin Premium, 1 kg*	EM-850001
Paraffin Premium, 2 kg*	EM-850002
Paraffin Premium, 5 kg	EM-850005
Paraffin Premium, 8 kg*	EM-850008
Paraffin Premium, 10 kg*	EM-850010
Paraffin Premium, 15 kg*	EM-850015
Paraffin Premium, 20 kg	EM-850020

*Custom packaging available upon request

Pathosolutions Paraffin Premium based on a mixture of highly purified paraffins.

Designed for all histological applications like tissue processing, embedding, extra thin sectioning. Intended for various tissue types included hard type of tissue. **It allows to prepare a paraffin block and perfect cutting.**

Recommended for infiltration and embedding of material by manual methods and in embedding devices.

Melting point 56-58°C.



Tissue Base Molds

Tissue Base Molds made of high-quality stainless steel. Resistant to xylene and chemical reagents. they are characterized by excellent heat transfer features, ensuring even and rapid cooling of the material.

Catalogue number

Tissue Base Molds 7 x 7 x 7 mm	EM-7207-7-7
Tissue Base Molds 15 x 15 x 7 mm	EM-72015-15-7
Tissue Base Molds 24 x 24 x 7 mm	EM-72024-24-7
Tissue Base Molds 37 x 24 x 7 mm	EM-72037-24-7
Tissue Base Molds 7 x 7 x 9 mm	EM-7207-7-9
Tissue Base Molds 30 x 24 x 9 mm	EM-72030-24-9
Tissue Base Molds 37 x 24 x 9 mm	EM-72037-24-9

PARAFFIN AND MOLDS



Slide tray without lid for 20 slides

A tray designed for storing and transporting microscope slides. Made of polystyrene. Dimensions adapted to fit standard 26 x 76 mm microscope slides.

Catalogue number

Blue	EM-300P20B
Green	EM-300P20G
White	EM-300P20W



Cardboard Slide Tray

Slide tray made of strong, coated cardboard with a white paper-lined bottom. Dimensions are adapted to fit standard 26 x 76 mm microscope slides.

Catalogue number

Tray without lid for 20 slides	EM-300KO20
Tray with lid for 10 slides	EM-300KO10



Plastic box for slides

High-quality specimen box is manufactured from extremely durable ABS plastic. The box is characterized by specially designed internal insert that holds slide in place, preventing accidental movement or damage during handling and transport.

Catalogue number

Box for 25 slides, grey	EM-200P025
Box for 50 slides, grey	EM-200P050
Box for 100 slides, grey	EM-200P100





Two-segment gravity feeder

Two-segment gravity feeder for standard histopathology cassettes with two hoppers for 40 cassettes each. Small size allows to place next to a grossing station.

Catalogue number

EM-750000



Microscope slides stand

A stand for 24 microscope slides designed for storing, cleaning and drying slides. Made of high-quality stainless steel. Vertical storage protects the slide's descriptive field from dirt.

Catalogue number

EM-920001



Embedding stamp

Embedding stamp made of high quality material: aluminum base, polyamide handle.

The package contains two pieces in two base dimensions: 12 mm and 20 mm.

Catalogue number

EM-A14001008



PathoNet Controller

Software monitoring the operation of medical devices, which allows for a quick user response in the case of a device failure or errors in its operation. **The solution allows you to control the device performance, analyze data and create reports.**

Catalogue number

EM-D13011001

ACCESSORIES

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