
TISSUE EMBEDDING SYSTEM TES 99

TES 99 Combination

Newly designed modular paraffin embedding system for histology.

Separate units for dispensing, cooling and pre-warming allow for combinations according to individual requirements. With its great variety of units available the TES 99 Combination finds its place in every laboratory. All temperatures are adjustable separately, controlled by thermostats and indicated on digital displays. The system offers a uniform working height of 80 mm.

Complete combination of:

Dispenser Unit including universally movable cold light lamp, large Cool Unit TES 99.410 and Thermal Unit

TISSUE EMBEDDING SYSTEM TES 99

Dispenser Unit



Paraffin dispenser unit for comfortable embedding of tissue samples, ready to use with hand switch, foot switch and universally movable cold light lamp.

- programmable timer for paraffin tank and working plate
- two-channel temperature control with digital display
- temperature adjustable from 30 to 70°C
- cold point 10°C, 40 mm Ø , working temperature 0 to -5°C
- paraffin tank for 3,5 litres
- 2 groups of 3 forceps wells each for the left and right side
- heated working plate of 360 x 245 mm
- large handrest with heat protection

Dimensions, total: 570 D x 360 W x 300 H mm

Weight: 22 kg

Type of Dispenser Unit:	Power Supply / Description:	Cat. No.:
TES 99.200	230 V / 50 Hz / 350 VA	02-9920-00
TES 99.300	115 V / 60 Hz / 350 VA	02-9930-00
	Dispenser unit as above but with connection for 2 heated forceps	
TES 99.250	230 V / 50 Hz / 350 VA	02-9925-00
TES 99.350	115 V / 60 Hz / 350 VA	02-9935-00

The magnifier is an accessory and must be ordered separately.

TISSUE BLOCK SYSTEM TES 99

Cool Unit

Large cooling plate made of stainless steel 500 x 260 mm combined with a powerful cooling aggregate enables rapid cooling of approximately 110 blocks simultaneously.

Adjustable temperature: -15 to +15°C
Filled with CFC-free R134 A to protect the environment
Dimensions, total: 570 D x **500 W** x 300 H mm
Weight: 25 kg

Type of Cool Unit:	Power Supply / Description:	Cat. No.:
TES 99.410	230 V / 50 Hz / 320 VA	02-9941-00
TES 99.510	115 V / 60 Hz / 320 VA	02-9951-00

TISSUE EMBEDDING SYSTEM TES 99

Cool Unit

Cooling plate made of stainless steel 360 x 260 mm combined with a powerful cooling aggregate enables rapid cooling of approximately 80 blocks simultaneously.

Adjustable temperature: -10 to +15°C
Filled with CFC-free R134 A to protect the environment
Dimensions, total: 570 D x **360 W** x 300 H mm
Weight: 20 kg

Type of Cool Unit:	Power Supply / Description:	Cat. No.:
TES 99.420	230 V / 50 Hz / 150 VA	02-9942-00
TES 99.520	115 V / 60 Hz / 150 VA	02-9952-00

TISSUE EMBEDDING SYSTEM TES 99

Cool Unit

A cooling tray made of stainless steel 260 x 210 mm, 20 mm deep combined with a powerful cooling aggregate enables rapid cooling of approximately 50 blocks simultaneously. A protected drawer prevents formation of ice.

Adjustable temperature: -10 to +15°C
Filled with CFC-free R134 A to protect the environment
Dimensions, total: 570 D x **360 W** x 300 H mm
Weight: 20 kg

Type of Cool Unit:	Power Supply / Description:	Cat. No.:
TES 99.430	230 V / 50 Hz / 150 VA	02-9943-00
TES 99.530	115 V / 60 Hz / 150 VA	02-9953-00

TISSUE EMBEDDING SYSTEM TES 99

Thermal Unit

Warming unit with base mold warmer for preheating and preparation of all commercial base molds, capacity approximately 350 molds. Lower part designed as paraffin container with sliding stainless steel cover and removable tray accepting approximately 220 embedding cassettes of any kind.

2-channel temperature control for separate operation of the two compartments
Temperature range: from 30 to 70 °C for mold warmer
from 30 to 75 °C for paraffin container

Removable warming tray (front): 235 D x 295 W x 40 H mm

Dimensions, total: 570 D x 360 W x 300 H mm
Weight: 15 kg

Type of Thermal Unit	Power Supply / Description:	Cat. No.:
TES 99.600	230 V / 50 Hz / 750 VA	02-9960-00
TES 99.700	115 V / 60 Hz / 750 VA	02-9970-00

ACCESSORY FOR TES 99



Description:	Cat. No.:
Magnifier, 4 dioptries, glass to be clipped on the lamp easily	46-0088-01

TISSUE FLATTENING PLATE TFP 40 - 230V

TFP 40



Hot plate for flattening tissue sections with 6 mm thick working plate made of aluminium. Epoxy coated for better temperature stability and faster heat-up. Electronic temperature control with digital display.

Temperature range: 30 up to 99 °C
Height: working plate 60 mm, total 135 mm
230V / 50 Hz / 250 - 550 VA

Type of TFP:	Technical data:	Cat. No.:
TFP 40.160	total: 445 x 160 mm plate: 330 x 160 mm weight: 3.6 kg 230 V / 50 Hz	01-4201-00
TFP 40.240	total: 445 x 240 mm plate: 330 x 240 mm weight: 4.9 kg 230 V / 50 Hz	01-4202-00
TFP 40.320	total: 445 x 320 mm plate: 330 x 320 mm weight: 6.4 kg 230 V / 50 Hz	01-4203-00

TISSUE FLATTENING PLATE TFP 41 – 115 V

Type of TFP:	Technical data:	Cat. No.:
TFP 41.160	total: 445 x 160 mm plate: 330 x 160 mm weight: 3.6 kg 115V / 60 Hz	01-4301-00
TFP 41.240	total: 445 x 240 mm plate: 330 x 240 mm weight: 4.9 kg 115V / 60 Hz	01-4302-00
TFP 41.320	total: 445 x 320 mm plate: 330 x 320 mm weight: 6.4 kg 115V / 60 Hz	01-4303-00

QUICK COOL UNIT TKF 22

TKF 22



Powerful cooling unit with tray for quick intense cooling of paraffin blocks during tissue processing or cutting.

- cooling tray made of stainless steel, easy to clean, 300 x 327 mm, 40 mm deep
- powerful aggregate cools down to -35 °C
- capacity: approximately 180 blocks simultaneously
- electronic temperature control
- with R 404 A, CFC-free, to protect the environment
- temperature range: -35°C to +15°C

dimensions total: 645 D x 400 W x 250 H mm
weight: 23,5 kg

Type of TKF:	Power Supply / Description:	Cat. No.:
TKF 22.000	230 V / 50 Hz / 300 VA	02-3000-00
TKF 22.100	115 V / 60 Hz / 300 VA	02-3100-00
(Cassette trays are optional)		

ACCESSORIES FOR TKF 22

Description:	Cat. No.:
Cover with handle made of plastics	28-8241-00
Cassette tray Set of 7 trays made of stainless steel Capacity per tray: 22 blocks	28-8242-00

TISSUE STAINER TST 44 AND TST 44 C

TST 44 and TST 44 C




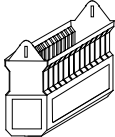
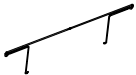
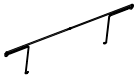

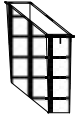



This is the best multistainer on the market with 44 stations! Fast and flexible multistainer for routine staining in histology and cytology, simultaneously performing multiple different or identical protocols with continuous loading.

Max. number of programs:	20/40
Adjustable parameters:	station and time (1 sec. to 59 min.)
Drip prevention:	adjustable drain time combined with a patented drip prevention technology avoids carry-over of solvents
Number of stations:	44 stations
Including:	4 loading stations 4 unloading stations, including 1 transfer station in type TST 44 C 6 water stations Alternatively: 4 water stations + 2 drying stations (temperature adjustable from +40°C to +90°C) 30 staining stations with agitation
Contents of solvent containers:	360 ml, can be reduced to 260 ml
Dimensions (W/D/H):	1210 x 670 x 640 mm
Weight:	approx. 115 kg

TISSUE STAINER TST 44 AND TST 44 C

Type of TST:	Power Supply / Description:	Cat. No.:
TST 44.000	230V / 50 Hz / 100 VA	04-4400-02
TST 44.100 (standard model in new design)	115V / 60 Hz / 100 VA	04-4410-02
TST 44.200	230V / 50 Hz / 1200 VA	04-4420-02
TST 44.300 (with drying chamber in new design)	115V / 60 Hz / 1200 VA	04-4430-02
TST 44.000 C	230V / 50 Hz / 100 VA	04-4720-00
TST 44.100 C (with transfer station)	115V / 60 Hz / 100 VA	04-4730-00
TST 44.200 C	230V / 50 Hz / 1200 VA	04-4740-00
TST 44.300 C (with drying chamber and transfer station)	115V / 60 Hz / 1200 VA	04-4750-00
TST 44.000 C Kit	230V / 50 Hz / 100 VA	04-4725-00
TST 44.100 C Kit (with modification kit for transfer station)	115V / 60 Hz / 100 VA	04-4735-00
TST 44.200 C Kit	230V / 50 Hz / 1200 VA	04-4745-00
TST 44.300 C Kit (with drying chamber and modification kit for transfer station)	115V / 60 Hz / 1200 VA	04-4755-00

OPTIONAL EXTRAS AND ACCESSORIES FOR TST 30/40 AND 33/44

	Description:	Cat. No.:
	Disposable charcoal filter	67-1001-00
	Memory card PCMCIA for instruments up to ser.no. 902 120 1206	71-1001-00
	Memory card CF for instruments from ser.no. 904 101 0705	71-1557-00
	Basket for 30 slides, stainless steel	17-5030-00
	Basket for 20 slides, stainless steel	48-9020-00
	Hanger for Basket 17-5030-00	22-1001-00
	Hanger for Basket 48-9020-00	22-1002-00
	Staining trough for TST, 360 ml	35-1001-00
	Block to reduce the volume in the trough to 260 ml	28-1008-00
	Hook to remove volume reduction block	22-1150-00
	Transport handle for staining trough	22-1151-00
	Pack of filterpads 100 pcs.	46-6031-00
	Adapter for round extract tube, 100mm diameter	54-1006-00

OPTIONAL EXTRAS AND ACCESSORIES FOR TST 30/40 AND 33/44

Description:	Cat.No.:
Pack of filterpads for TST 30, up to Ser.No.: 901 119 038 (l = 100 mm) (25 x 100 mm), (100 pcs.)	46-6030-00
Sakura Basket for 20 slides. modified to be used with Medite TST Stainers.	46-3001-00
Medite basket, plastic Capacity: 30 Slides	28-1060-00
Hanger for 19 place Microm/Zeiss basket to be used with Medite TST stainers	22-5004-00
Hanger for 30 place Microm/Zeiss basket to be used with Medite TST stainers	22-5006-00
Hanger for Sakura Basket for 20 slides special for Medite TST Stainers	11-0055-00
Hanger for Medite plastic basket for 30 slides to be used with Medite TST Stainers.	22-5007-01
Hanger with special guide for slides in Shandon clips to be used with Medite TST Stainers	17-5090-00
Basket for 8 Slides size 76 (W) x 52 (H) mm for Medite TST Stainers including hanger.	17-5051-00
Basket for 8 Slides size 52 (W) x 76 (H) mm for Medite TST Stainers including hangers. Slide Position upright.	17-5050-00
Hangers and adapters to fit to slide holders of coverslipping machines from other makes available at request.	

TISSUE PROCESSING SYSTEM TPC 15

TPC 15

Tissue Processing System enabling simultaneous processing of two different programs. Great for fast biopsies. The total capacity is 440 cassettes is made possible by having 2 baskets each having a capacity of 220 cassettes.

15 stations including 4 stations for paraffin
Agitation of solvents by means of magnetic stirrers
Volume: 3.5 litres per station, filling quantity 2.3 litres
Time: 5 min. to 10 hr per station
Temperature: 30 °C to 70 °C per station
Vacuum and pressure alternately adjustable for every station
Program interruption with access to the samples possible
Direct programming of individual stations (short programs)
Storage of 15 different programs
Program start and end adjustable
-week-end programs-
Basket cleaning and paraffin recycling programs
Fume extraction device for solvent fumes with integrated charcoal filter and connection to an external exhaust facility

Each station closed by a lid
Machine covered by a protective hood
Program protection in case of power failure
Uninterrupted power supply to protect samples
Printer port for automatic report production
Memory-card interface for program storage and saving
Capacity: 2 baskets with approx. 220 cassettes, each
Standard unit consisting of:
15 stainless steel solvent containers
13 lids, 2 processing lids
2 baskets for cassettes
1 handle for easy pick-up of containers
1 disposable charcoal filter included
1 memory card
Dimensions: 1290 L x 715 W x 730 H mm
Weight: approx. 140 kg








TISSUE PROCESSING SYSTEM TPC 15

Type of TPC:	Power Supply / Description:	Cat. No.:
TPC 15.400	230 V / 50 Hz / 850 VA	04-1540-01
TPC 15.500	115 V / 60 Hz / 850 VA	04-1550-01


TPC 15 with extra solvent pumping system to empty and refill the solvent containers

TPC 15.600	230 V / 50 Hz / 850 VA	04-1560-01
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ACCESSORIES FOR TPC 15

	Description:	Cat. No.:
	Solvent container, stainless steel	11-1550-00
	Container lid, stainless steel	11-1551-00
	Memory-card PCMCIA Instruments from ser. no. 902 100 030	71-1556-00
	Memory-card CF Instruments from ser.no. 904 101 0705	71-1557-00
	Basket for cassettes	11-1558-00
	Basket with 3 inserts for cassette organising, capacity approx. 126 cassettes	11-1560-00
	Insert with handle for standard or organizer basket, capacity approx. 42 cassettes	11-1559-00

ACCESSORIES FOR TPC 15

	Description: Magnetic stirrer (Pack of 10)	Cat. No.: 51-1550-00
	Spare handle for container pick-up	11-1554-00
	Spare processing lid	11-1555-00
	Universal charcoal 5 kg	46-6040-00
	Disposable charcoal filter for instruments up to ser.no. 903 199 105	67-1500-00
	Disposable charcoal filter for instruments from ser.no. 904 100 0605	67-1001-00

STRETCHING TABLE OTS 40

OTS 40



Working plate, 6 mm thick, made of aluminium. Epoxy coated for improved temperature stability and faster heat-up. Electronic temperature control with digital display.

Temperature range: see model below

Height: 8 cm

Weight: 1.7 up to 5.4 kg

230 V / 50 Hz / 75 - 550 VA

Type of OTS:	Dimensions:	Temperature:	Cat. No.:
OTS 40.1520	15 x 20 cm	30-99 °C	01-4001-00
OTS 40.1540	15 x 40 cm	30-99 °C	01-4002-00
OTS 40.2025	20 x 25 cm	30-99 °C	01-4003-00
OTS 40.2530	25 x 30 cm	30-99 °C	01-4004-00
OTS 40.3040	30 x 40 cm	30-90 °C	01-4005-00

Height: 8 cm

Weight: 1.7 up to 5.4 kg

115 V / 50 Hz / 75 - 550 VA

Type of OTS:	Dimensions:	Temperature:	Cat. No.:
OTS 41.1520	15 x 20 cm	30-99 °C	01-4101-00
OTS 41.1540	15 x 40 cm	30-99 °C	01-4102-00
OTS 41.2025	20 x 25 cm	30-99 °C	01-4103-00
OTS 41.2530	25 x 30 cm	30-99 °C	01-4104-00
OTS 41.3040	30 x 40 cm	30-90 °C	01-4105-00

WATER BATH TFB 35

TFB 35



Tissue flotation bath with removable glass tray. Stainless steel platform for drying and stretching of the sections, black, plastic coated.

Electronic temperature control from 30 °C to 55 °C

Temperature of working plate approximately 50 °C

Illumination by fluorescent lamp

Dimensions:

Total: 300 D x 410 W x 75 H mm



Tray: 165 D x 270 W x 50 H mm

Platform: 75 D x 370 W mm

Weight: 7 kg

Type of TFB:	Power Supply / Description:	Cat. No.:
TFB 35.000	230 V / 50 Hz / 250 VA	01-3500-00
TFB 35.100	115 V / 60 Hz / 250 VA	01-3510-00
Tissue flotation bath with extra high glass tray. Tray: 165 D x 270 W x 80 H mm		
TFB 35.500	230 V / 50 Hz / 250 VA	01-3550-00
TFB 35.600	115 V / 60 Hz / 250 VA	01-3560-00

ACCESSORIES FOR TFB 35

Description:	Cat. No.:
 Glass tray up to ser. no. 902 635 049	51-4550-00
Glass tray from ser.no. 903 100 069	51-4552-00
Glass tray for TFB 35.500 and 35.600	51-4553-00
 Lid, aluminium	11-4550-00

TISSUE BATH TFB 45

TFB 45



Round water bath made from aluminium for stretching and drying paraffin sections with exactly regulated temperature and safety cut-out.

Consisting of:

bath well and edge with black epoxy coating to avoid damage by aggressive water, outside varnished, control panel with temperature control and scale in °C, 30 to 90 °C, main switch, pilot lamp for heating

Dimensions:

inside: 210 mm Ø, 55 mm H

outside: 340 mm Ø, 90 mm H

Weight: 2 kg

Type of TFB:	Power Supply / Description:	Cat. No.:
TFB 55.000	230 V / 50 Hz / 250 VA	01-5500-00
TFB 55.100	115 V / 60 Hz / 250 VA	01-5510-00

ACCESSORIES FOR TFB 45

Description:	Cat. No.:
Accessory Kit	11-5500-00
Includes: Thermometer 0-100 °C, Thermometer Support and Lid	



ROTOSCRIBER EDS 20

EDS 20



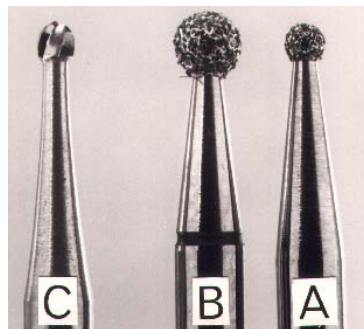
**For marking and engraving of glass, slides, metal, plastics etc. via a rotating diamond tip.
Driven by transformer with automatic on/off switch.**

Working voltage: 12 V
Dimensions: 150 x 20 mm Ø
Weight: 100g

Supplied complete with one tip for glass

Type of EDS:	Power Supply / Description:	Cat. No.:
EDS 20.000	115 V - 230 V / 50/60 Hz / 65 VA	01-2000-00

ACCESSORIES FOR EDS 20



Description:	Cat. No.:
Spare tips for glass A	46-4010-00
Spare tips for metal B	46-4020-00
Spare tips for plastics C	46-4030-00
Anti-glide pad – black Dimensions: 230 x 160 x 5 mm	46-4040-00

BENCHTYPE FUME ADSORBER TAZ 19 UNIVERSAL

TAZ 19

Working plate with downward fume extraction with steplessly adjustable extraction speed. Built-in counter for operation hours with time pre-selection and indicator lamp reminds to change the filter coal. Air purification via special activated carbon filter. Including filter case and one pack of universal activated carbon.

Dimensions, total: 620 L x 485 W x 405 H mm
Dimensions, working plate: 590 x 310 x 40 H mm
Weight: 25 kg

Type of TAZ:	Power Supply /Description:	Cat. No.:
TAZ 19.000	230 V / 50 Hz / 160 VA	02-1900-00
TAZ 19.100	115 V / 60 Hz / 160 VA	02-1910-00

BENCHTYPE FUME ADSORBER TAZ 19 FOR FORMALDEHYDE

TAZ 19



Working plate with downward fume extraction with steplessly adjustable extraction speed. Built-in counter for operation hours with time pre-selection and indicator lamp reminds to change the filter contents. Air purification via special granulate for formaldehyde.

Dimensions, total: 620 L x 485 W x 405 H mm
Dimensions, working plate: 590 x 310 x 40 H mm
Weight: 25 kg

Including filter case and one pack of special adsorption material for formaldehyde

Type of TAZ:	Power Supply / Description:	Cat. No.:
TAZ 19.200	230 V / 50 Hz / 160 VA	02-1920-00
TAZ 19.300	115 V / 60 Hz / 160 VA	02-1930-00

BENCHTYPE FUME ADSORBER TAZ 19 FOR EXTERNAL EXHAUST

TAZ 19



Working plate with downward fume extraction with steplessly adjustable extraction speed. Instrument without filter casing and charcoal to be connected to an existing exhaust facility.

Connection for a 100 mm Ø tube.
 Dimensions, total: 620 L x 485 W x 405 H mm
 Dimensions, working plate: 590 x 310 x 40 H mm
 Weight: 25 kg

Type of TAZ:	Power Supply / Description:	Cat. No.:
TAZ 19.400	230 V / 50 Hz / 160 VA	02-1940-00
TAZ 19.500	115 V / 60 Hz / 160 VA	02-1950-00

ACCESSORIES AND CONSUMABLES FOR TAZ 19

Description:	Cat. No.:
Spare filter case for the refilling with universal activated carbon or special adsorption material	11-3550-00
Universal activated carbon, 5 kg	46-6040-00
Special impregnated material for formaldehyde, 5 kg	46-6041-00
Special hood for better extraction of volatile fumes	69-3500-00



TISSUE COOL PLATE COP 30

COP 30



For the rapid cooling of paraffin blocks during tissue-processing or cutting.

Consisting of:

- cooling plate made of stainless steel, polished,
- with heated rims to prevent condensation
- casing made of galvanised steel, varnished
- cooling space dimensions: 300 x 440 mm, 42 mm high
- filled with CFC-free gas R 134 A to protect the environment
- temperature control with digital display

Temperature range: -15 °C to +15 °C

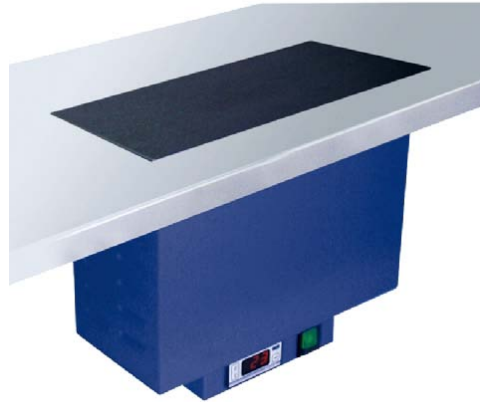
Dimensions, total: 600 L x 450 W x 230 H mm

Weight: 23 kg

Type of COP:	Power Supply / Description:	Cat. No.:
COP 30.000	230 V / 50 Hz / 300 VA	02-1030-00
COP 30.100	115 V / 60 Hz / 300 VA	02-1130-00

TABLE FITTED COOL UNIT MKF 2000

MKF 2000



CFC-free cooling plate made of stainless steel to be seamlessly integrated into the work bench. Space saving model offering optimal conditions when cutting at the microtome. The electronic temperature controller with digital display at the lower part of the unit can be turned 90 ° enabling also lateral installation.

Dimensions: 350 x 230 mm
 Temperature: adjustable from -10 °C to +15°C

Installation dimensions:
 Cut: 210 x 330 mm
 Depth: 320 mm
 Weight: 15 kg

Type of MKF:	Power Supply / Description:	Cat. No.:
MKF 2000	230 V / 50 Hz / 125 VA	02-2000-00
MKF 2100	115 V / 60 Hz / 125 VA	02-2100-00
Cool unit as above but with plate surrounded by a 10 mm high edge		
Type of MKF:	Power Supply / Description:	Cat. No.:
MKF 2200	230 V / 50 Hz / 125 VA	02-2200-00
MKF 2300	115 V / 60 Hz / 125 VA	02-2300-00

ULTRASONIC DECALCIFYING AUTOMATE USE 33

USE 33

Automate for decalcifying histological material with integrated cooling. Improves decalcification time by up to 75% with excellent results.

Features:

- rapid decalcifying by using ultrasonic technology
- electronic control of decalcifying time
- large capacity of up to 100 specimens at a time
- maximum preservation of morphology by integrated cooling of the specimens through a liquid medium

Technical data:

Bath volume: 13,5 litres

Cooling temperature: from 14 °C up to room temperature

Electronic time control: from 1 minute up to 100 hours

Dimensions:

Width: 450 mm

Depth: 600 mm

Height: 350 mm

Weight: 28 kg

Standard equipment includes the lid to cover the sample containers

Catalogue number: 28-8250-00 but **NOT** the holders! **Please order the desired holder additionally!**

Type of USE:	Power Supply / Description:	Cat. No.:
USE 33.000	230 V / 50 Hz / 400 VA	03-3300-00
USE 33.100	115 V / 60 Hz / 400 VA	03-3310-00

ACCESSORIES FOR USE 33

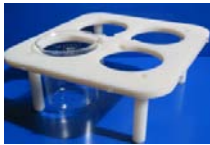


Description:

Lid to cover sample containers

Cat. No.:

28-8250-00



Holder no. 1 for glass jars

28-8252-00

Qty. of specimen: 4
 Specimen container size: d = 93 mm
 Height: 110 mm
 Container volume: approx. 800 ml
 Max. size of specimen: 250 cm³



Holder no. 2 for glass jars

28-8253-00

Qty. of specimen: 9
 Specimen container size: d = 51 mm
 Height: 85 mm
 Container volume: approx. 150 ml
 Max. size of specimen: 30 cm³



Holder no. 3 for plastic pots

28-8254-00

Qty. of specimen: 49
 Specimen container size: d = 25 mm
 Height: 40 mm
 Container volume: approx. 20 ml
 Max. size of specimen: 5 cm³

TISSUE STAINER COT 20

COT 20

Continuous linear staining machine for histology and cytology. This stainer can process up to 1,000 slides per hour.

Standard unit with:

23 stations, 16 of them prepared for running water via a central water connection, incl. one 2 m water hose each for inlet and outlet
staining time can be set from 3 sec. to 60 minutes
automatic drain cycle adjustable from 3 to 60 seconds
deposit for 4 slide holders at the beginning of the staining series
separate on-off switch for agitation
separate on-off switch for draining
cover for staining troughs
cover divided into 3 parts for total instrument
2 solvent tanks for 10 holders each, integrated into working plate
5 slide holders for 20 slides each including 5 adapters
24 staining troughs
3 staining troughs for running water
1 fume extraction device to be connected to an exhaust facility

Dimensions, total: 1520 L x 570 W x 440 H mm

Weight: 55 kg

Type of COT:	Power Supply / Description:	Cat. No.:
COT 20.000	230 V / 50 Hz / 150 VA	03-2000-00
COT 20.100	115 V / 60 Hz / 150 VA	03-2010-00

TISSUE STAINER COT 20 CLOSED MODEL

COT 20

Continuous linear staining machine for histology and cytology. This stainer can process up to 1,000 slides per hour.

Closed model**Standard unit with:**

23 stations, 16 of them prepared for running water via central water connection, incl. one 2 m water hose each for inlet and outlet

staining time can be set from 3 sec. to 60 minutes

automatic drain cycle adjustable from 3 to 60 seconds

separate on-off switch for agitation

separate on-off switch for draining

cover for staining troughs

cover divided into 3 parts for total instrument

2 solvent tanks for 10 holders each, integrated into working plate

5 slide holders for 20 slides each including 5 adapters

20 staining troughs

3 staining troughs for running water

1 fume extraction device to be connected to an exhaust facility

Dimensions, total: 1300 L x 570 W x 440 H mm

Weight: 55 kg

Type of COT:	Power Supply / Description:	Cat. No.:
COT 20.200	230 V / 50 Hz / 150 VA	03-2020-00
COT 20.300	115 V / 60 Hz / 150 VA	03-2030-00

TISSUE STAINER COT 20 WITH CHARCOAL FILTER

COT 20

Continuous linear staining machine for histology and cytology. This stainer can process up to 1,000 slides per hour.

Closed model with integrated charcoal filter**Standard unit with:**

- 23 stations, 16 of them prepared for running water via a central water connection, incl. one 2 m water hose each for inlet and outlet
- staining time can be set from 3 sec. to 60 minutes
- automatic drain cycle adjustable from 3 to 60 seconds
- separate on-off switch for agitation
- separate on-off switch for draining
- cover for staining troughs
- cover divided into 3 parts for total instrument
- 2 solvent tanks for 10 holders each, integrated into working plate
- 5 slide holders for 20 slides each including 5 adapters
- 20 staining troughs
- 3 staining troughs for running water
- 1 fume extraction device with filter unit
- 1 refillable filter casing
- 1 pack of universal charcoal

Dimensions, total: 1300 L x 700 W x 440 H mm

Weight: 65 kg

Type of COT:	Power Supply / Description:	Cat. No.:
COT 20.400	230 V / 50 Hz / 150 VA	03-2040-00
COT 20.500	115 V / 60 Hz / 150 VA	03-2050-00

ACCESSORIES FOR COT 20

Description:	Cat. No.:
Staining trough	35-2002-00
Staining trough for running water	35-2001-00
Standard basket for 20 slides including hanger	11-0054-00
Hanger for standard basket 48-9020-00 for stainer COT 20	22-2000-00
Hanger for Sakura slide basket for stainer COT 20	11-0053-00
Universal charcoal 5 kg	46-6040-00
Support rod for Shandon slide clips cat.No. 52610027 and 74110262 to be used in Medite Tissue Stainer COT 20 and Shandon coverslipping machine Console	22-1020-00

COVERSLIPPING MACHINE ACS 720

ACS 720



Newly developed glass coverslipping machine with high capacity to be linked directly to the Tissue Stainers of the TST 44 C series. Uses the slide baskets from the stainer also for ready slides, needs no storage racks.

Features:

Coverslipping speed:	7 to 12 sec. per slide
Dispensing volume:	40 – 250 µl
Mountant container:	500 ml bottle of mounting medium
Slide Size:	26 x 76 mm
Slide Thickness:	0.9 to 1.2 mm
Capacity to load:	120 pcs., continuous
Coverglass Size:	24 x 40, 50, 55, 60 mm
Thickness:	0.12 to 0.17 mm
Capacity to load:	350 pcs. approx.
Dimensions (W/D/H):	770 x 670 x 640 mm
Weight:	79 kg

Type of ACS:	Power Supply / Description:	Cat. No.:
ACS 720	100-230V / 50/60Hz / 400VA	04-7200-00

Please specify what size Coverglass Holder will be needed when ordering unit.

ACCESSORIES FOR ACS 720

Description:	Cat. No.:
Disposable Charcoal Filter	67-1005-00
Slide Holder for 30 Slides	28-1061-00
Coverglass Case for Coverslips 24 x 40 mm	24-1340-01
Coverglass Case for Coverslips 24 x 50 mm	24-1350-01
Coverglass Case for Coverslips 24 x 55 mm	24-1355-01
Coverglass Case for Coverslips 24 x 60 mm	24-1360-01
Hanger for Slide Holder 28-1061-00	22-5007-02
Purge Cap, Box of 10 pcs.	48-9084-00

COVERSLIPPING MACHINE RCM 7000

RCM 7000



Capacity approx. 400 slides per hour for coverglass sizes from 24 x 40 to 24 x 60 mm

Standard equipment:

- 1 basket container
- 2 coverglass cases 50 and 60 mm *
- 3 storage racks
- 1 xylene jar
- 2 spare needles for mountant dispenser 1.5 mm
- 1 large oval fluid waste cap
- 1 syringe (to fill up Xylene)
- 1 tool for coverglass case position
- 1 waste container for the refill and purge cycle
- 1 instruction manual
- Dimensions: 500 L x 540 W x 640 H mm
- Weight: 65 kg

* you may choose other sizes or two identical cases
Please indicate when ordering !

Type of RCM:	Power Supply / Description:	Cat. No.:
RCM 7000	100 - 230 V / 50 Hz / 300 VA	45-7000-00
CHARCOAL FILTER UNIT	Consisting of back panel with 2 fans 1 filter casing 1 disposable charcoal filter 67-1002-00	45-5054-00

Please do not forget to order the needed baskets and basket holder !!

ACCESSORIES FOR RCM 60/90/2000/7000

	Description:	Cat. No.:
SLIDE BASKETS	Medite slide basket, plastic Capacity: 30 slides	28-1060-00
	Medite slide basket, stainless steel Capacity: 30 slides	17-5030-00
	Medite slide basket, stainless steel, for 20 slides for stainer COT 20 and TST series	48-9020-00
	Basket, stainless steel, for 30 slides for TST, Bavimed, Sakura or Shandon XY stainer	48-9030-00
	Basket, stainless steel, for 40 slides for Shandon Carousel type stainers	48-9040-00
	Basket 48-9020-00 for 20 slides with hanger to be used in Sakura stainer DRS 2000	24-0010-00
BASKET HOLDERS	Basket holder for basket of Shandon Gemini stainer.	48-9025-00
	Basket holder for baskets from Sakura (20 Slides) or 30 slides plastic basket from Medite	17-5070-00
	Basket holder for basket 48-9020-00	48-9021-00
	Basket holder for basket 48-9030-00	48-9031-00
	Basket holder for basket 48-9040-00	48-9041-00
HANGERS & ADAPTERS	Hanger for Medite slide holder 48-9020-00 to fit to Histolab/Sakura Combitec stainer	22-0004-00
	Adapter for 30 slides basket 48-9030-00 to fit Sakura DRS 601	48-9034-00
	Basket adapter for basket 48-9030-00 for Shandon Varistain 24-4	48-9035-00
	Adapter for 30 slides basket 48-9030-00 to fit LEICA autostainer XL	24-0001-00
	Hanger for basket 48-9020-00 to fit Sakura stainer DRS 2000	11-0059-00

ACCESSORIES FOR RCM 60/90/2000/7000

	Description:	Cat. No.:
BASKET CONTAINER	Basket container for all types of baskets without basket holder	48-9050-00
STORAGE RACK	Storage rack for 20 slides	48-9051-00
DISPOSABLE CHARCOAL FILTER FOR RCM 2000	Spare filter for charcoal filter unit Cat.no. 45-5052-00	67-1002-00
UNIVERSAL COVERGLASS CASE – NOT FOR RCM 7000	Coverglass case for coverglasses of the following sizes: 24 x 40, 24 x 50, 24 x 55, 24 x 60 mm	48-9052-00

ACCESSORIES FOR RCM 7000 – ONLY -

DISPOSABLE CHARCOAL FILTER FOR RCM 7000	Spare filter for charcoal filter unit Cat.no. 45-5054-00	67-1003-00
CASES FOR 24 MM	for coverglasses 24 x 40 mm	48-9053-00
COVERGLASSES	for coverglasses 24 x 50 mm	48-9054-00
	for coverglasses 24 x 55 mm	48-9055-00
	for coverglasses 24 x 60 mm	48-9056-00
FLUID WASTE CAP	Standard cap to collect the fluid dripped off from the dispenser. Pack of 20 pieces.	48-9080-00
	Extra large cap. Pack of 10 pieces.	48-9081-00
	Large oval purge cap	48-9083-00

TISSUE DRYING OVEN TDO 66

TDO 66



Slide drying oven with electronic control and digital display with a hot air ventilation system using a fan. Programmable drying time or continuous operation.

Time range from 1 min. to 99 h 59 min. programmable in steps of 1 minute
Fan operation continued for 60 seconds after finished drying
Alarm signals indicating elapsed drying time

Drying temperature adjustable from +20°C to +80 °C in steps of 1°C

Dimensions, drying chamber: 270 D x 400 W x 240 H mm
Dimensions, total: 300 D x 450 W x 470 H mm
Weight: 17 kg

Type of TDO:	Power Supply / Description:	Cat. No.:
TDO 66.000	230 V / 50 Hz / 1500 VA	02-6600-00
TDO 66.100	115 V / 60 Hz / 1500 VA	02-6700-00

HEATED FORCEPS

EBP 50



Check out the new design that keeps the Forceps hot at the tip but cool to the finger! Heated forceps with operating temperature between 65°C and 75°C. Thermostat control prevents overheating and tissue damage. System consists of control unit for 2 forceps and one forceps. Forceps available in 1 mm, 2 mm and 4 mm tip size.

Transformer 230 V or 115 V

Description:	Cat. No.:
System with tip size 1 mm	43-0001-00
System with tip size 2 mm	43-0002-00
System with tip size 4 mm	43-0004-00
Control unit for 2 forceps	43-0020-00
Forceps, 1 mm tip size	43-0011-00
Forceps, 2 mm tip size	43-0012-00
Forceps, 4 mm tip size	43-0014-00

Warranty only for 6 months

ROTARY MICROTOME SEMI-AUTOMATIC

Meditome M 530



The motorized precision feed system of the Meditome M 530 enables a fast, safe and smooth sectioning of paraffin blocks. A torsion-free solid base design secures optimum stability. The spaciouly designed and integrated section waste tray is xylene-resistant and easy to clean.

Integrated and smooth running hand wheel, 360° lockable

- Vertical guide, free of backlash and equipped with high-end linear cross-roller-bearings
- Integrated switch panel with graphic display
- Feed steps up to 99 μm in 1 μm sequences
- Coarse feed steps performed by the stepping motor max. 500 μm
 - from 5 μm to 100 μm in 5 μm sequences
 - from 100 μm to 500 μm in 50 μm sequences
- Clearly arranged operating controls
- Setting wheel for value settings and display indication
- Horizontal guide movement 30 mm, vertical movement 68 mm
- Automatic positioning return at the end of cycle
- Electromechanical movement for coarse and fine feed movement
- Memory key to store the section start position (3 positions)
- Coaxial specimen orientation
- Specimen clamp 360° turnable
- Quick release system for all clamping types

Supplied with waste tray, with disposable blade carrier for either the low profile or high profile blade and universal cassette clamp.

Dimensions:

Including Tray (W/D/H): 530 x 377 x 281 mm

Weight: 30 kg

Type of Meditome:	Power Supply / Description:	Cat. No.:
Meditome M 530	115-230 V / 50/60 Hz / 800 VA	03-4000-00

ROTARY MICROTOME AUTOMATIC

Meditome A 550

The fully automatic Meditome A 550 provides utmost reliability, user benefit and outstanding operator comfort. The high section stability and precision turn this instrument into an universal multipurpose microtome for highest demands on sectioning paraffin as well as for hard sectioning technique in biology, medicine and industry.

The cutting motor drive allows precise sectioning, ensuring good reproducibility. Another user-friendly feature is the cutting window that can be adjusted to the specimen size, while the preselected speed is only applied within the cutting window. This enables the user to section delicate specimens precisely in a short period of time. The large section thickness range from 1 to 500 μm is divided into fine sectioning and trim sectioning. You can easily switch between these two ranges, even while sectioning. Memory positioning allows the fast movement to a stored cutting position by pushing one button only.

Additional features compared with the semi-automatic microtome **Meditome M530**:

- Powerful cutting motor drive with safety function
- Cutting speed from 0 to 350 mm/sec., selectable
- Instrument operates without switching the power supply voltage

Supplied with waste tray, with disposable blade carrier for either the low profile or high profile blade and universal cassette clamp.

Dimensions:

Including tray (W/D/H): 530 x 400 x 300 mm

Weight: 38 kg

Type of Meditome:	Power Supply / Description:	Cat. No.:
Meditome A 550	115-240 V / 50/60 Hz / 800 VA	03-4100-00

ACCESSORIES FOR MEDITOMES

Description:	Cat.No.:
Complete Knife Holder Base with Blade Holder	24-3030-00
Disposable Blade Carrier for Low Profile	24-3131-00
Disposable Blade Carrier for High Profile	24-3138-00
Object Orientation	24-3080-00
Universal Cassette Clamp	24-3136-00

PARAFFIN FILTERING AUTOMATE

PLC 18

This space saving Paraffin Dispenser presents multiple advantages for the routine histology laboratory.

- Large working space below the spigot for easy dispensing
- Special filter to remove residues from the paraffin
- Operation volume approximately 15 litres
- Paraffin savings of up to 50 percent
- Stainless steel and aluminium surfaces that are resistant to most solvents.

Filter life time: approx. 3 to 6 months (depending on application)

Dimensions:

Overall (W/D/H): 390 x 590 x 550 mm

Working plate (W/D/H): 390 x 230 mm

Temperature: variable from +20°C to +90°C

Weight: 19 kg

Type of PLC:	Power Supply / Description:	Cat. No.:
PLC 18	115-230 V / 50/60 Hz / 800 VA	02-1800-00

ACCESSORIES FOR PLC 18

Description:	Cat. No.:
Special filter cartridge	46-1801-00
