

C O R E H I S T O L O G Y S O L U T I O N S

LEICA TP1020

TISSUE PROCESSOR



Advancing Cancer Diagnostics
Improving Lives

Leica
BIO SYSTEMS

RELIABLE TECHNOLOGY, ENSURE SPECIMEN SAFETY

Eleven configurations are available: the basic instrument; the basic instrument with/without vacuum; the basic instrument with/without a fume control system; the basic instrument with both vacuum and fume control, and configurations for use with chloroform and with accessories.

Leica Biosystems sets new standards in many fields of application with technically innovative instruments for specimen preparation. The Leica TP1020 is an automatic tissue processor that perfectly combines approved technology with modern, user-friendly design. Gentle specimen processing



Leica TP1020 with vacuum and fume control

and consolidated tissue safety during each processing run are the key features of this tissue processor. The Leica TP1020 tissue processor is an easy to program instrument with multiple configuration options, thus giving the user the flexibility to meet individual requirements of research and clinical laboratories.

TISSUE INFILTRATION UNDER VACUUM

Vacuum can be applied to any of the stations both in manual and automatic operation.



The advantage: Substantially improved infiltration of tissue in a shorter time. Instruments with the vacuum feature are equipped with anodized aluminum containers.

REDUCED EXPOSURE TO HAZARDOUS FUMES

The instrument variation with fume control system offers two options for removing solution fumes:

The TP1020 tissue processor can be equipped with two activated carbon filters (for formalin and alcohol/xylene). An exhaust air tube directs the solution fumes to an outlet.



ENSURE SAFETY FOR THE TISSUE

The tissue specimens are protected from drying out even during a power failure since the tissue baskets are automatically immersed in a station. The program is resumed where interrupted once mains power is restored. After a long-term power failure, the wax will be liquified.

If the programmed infiltration time for any of the stations is exceeded a warning message is displayed indicating the station number and the time in excess of program.

USER-FRIENDLY, EASY-TO-USE CONTROL PANEL



The buttons of the control panel are arranged in functional groups. The easy-to-read LCD indicates the station parameters, such as number of tissue baskets, vacuum function and remaining infiltration time, real time, start time (delayed start), overall duration and end of run time. Each of the nine programs can be run with immediate or delayed start.

PRACTICAL DETAILS



The specimen throughput can be doubled by using a second tissue basket for improved productivity in routine and research laboratories. The tissue basket is moved up and down in the liquid at three-second intervals to ensure thorough and even mixing of the reagents and facilitates tissue infiltration. Sealing rings on the container lids reduce solution loss and therefore also emission into the lower ambient atmosphere.

All reagent stations are easily accessible because the instrument can be rotated by using the integrated and adjustable rollers.

WIDE RANGE OF ACCESSORIES



- Glass beakers with beaker carriers
- Anodized aluminum container with beaker carriers
- Teflon coated wax bath



- Three-part tissue basket with lid (for organized loading of cassettes)
- Standard tissue baskets
- Basket removal device with drip tray

TECHNICAL SPECIFICATIONS

LEICA TP1020 AUTOMATIC TISSUE PROCESSOR

Electrical Specifications:

Nominal voltage:	100 / 120 / 230 / 240 V AC ±10%
Nominal frequency:	50 / 60 Hz

Dimensions:

Carousel lid:	820 mm Ø
Height:	595 – 780 mm
Diameter of rollers:	610 mm

Dry weight (including accessories):

	60 kg
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Wax baths:

Number:	2 (3 optional)
Capacity:	1.8 l
Temperature range:	45°C – 65°C
Excess temperature cutout:	75°C ± 4°C

Reagent containers:

Number:	10(9)
Capacity:	1.8 l

Standard tissue basket:

Number:	1(2 optional)
Capacity:	100 cassettes

Programs:

Number:	9, freely selectable
Programmable infiltration time per station:	99 h 59 min
Delayed start:	9 days
Drain time:	60 s

Vacuum device (depending on the configuration)

Pressure difference:	max. 500 hPa (approx. 0.5 bar)
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Contact your Leica Biosystems representative today to learn more about our Core Histology solutions

[LEICABIOSYSTEMS.COM/CONTACT-US](https://www.leicabiosystems.com/contact-us)

OUTSTANDING PRODUCT FEATURES

- › Carousel type with 12 stations
- › **Configurations:**
 - Basic instrument
 - Vacuum function
 - Fume control system
 - Vacuum function with fume control system
 - Configuration for use with chloroform
 - Configurations with accessories
- › Option: two basket loading
- › Tissue baskets made of metal with varying capacities of up to 100 cassettes
- › Ergonomic control panel with foil-protected keyboard and LCD
- › Infiltration time separately programmable for each station
- › Delayed start function up to 9 days
- › Possibility of interrupting an automatic process for reloading or removing cassettes for special applications before the end of a run
- › Easy editing and changing of programs, even during a processing run
- › Audible alarms, error messages and warning codes
- › Advanced safety concept
- › Wide range of accessories

Leica Biosystems is an international company with a strong network of worldwide customer services. For detailed contact information on your nearest sales office or distributor please visit our website:

[LeicaBiosystems.com](https://www.leicabiosystems.com)

Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit [LeicaBiosystems.com](https://www.leicabiosystems.com) for more information.