

HistoCore Water Bath M

Water Bath



Instructions for Use
English

Order No.: 14 0607 81101 - Revision C

Always keep this manual with the instrument.
Read carefully before working with the instrument.



The information, numerical data, notes and value judgments contained in this Instructions for Use represent the current state of scientific knowledge and state-of-the-art technology as we understand it following thorough investigation in this field.

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For the instrument serial number and year of manufacture, please refer to the nameplate on the back of the instrument.



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1. Important information

1.1 Naming conventions



Note

- The full name of the device is HistoCore Water Bath M. The device is called the water bath to ensure that the Instructions for Use are well legible.

1.2 Symbols and their meanings

Symbol:



Title of the symbol: Danger

Description: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injuries.

Symbol:



Title of the symbol: Warning

Description: If this danger is not avoided, then this may result in death or serious injury.

Symbol:



Title of the symbol: Caution

Description: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Symbol:



Title of the symbol: Note

Description: Indicates information which is important but not related to any risk.

Symbol:

→ Fig. 7-1

Title of the symbol: Item number

Description: Item numbers for numbering illustrations. Numbers in red refer to item numbers in illustrations.

Symbol:

OFF

Title of the symbol: Function key

Description: Function keys to be pressed on the instrument are displayed as bold, gray and underlined text.

Symbol:



Title of the symbol: Manufacturer

Description: Indicates the manufacturer of the product.

Symbol:



Title of the symbol: Manufacturing date

Description: Indicates the date when the device was manufactured.

Symbol:

Title of the symbol: Article number



Symbol:

Description: Indicates the manufacturer's catalog number so that the device can be identified.



Symbol:

Title of the symbol: Serial number

Description: Indicates the manufacturer's serial number so that a specific device can be identified.



Symbol:

Title of the symbol: Consult Instructions for Use

Description: Indicates the need for the user to consult the Instructions for Use.



Symbol:

Title of the symbol: Caution

Description: Indicates the need for the user to consult the Instructions for Use for important cautionary information such as warnings and precautions that cannot, for a variety of reasons, be presented on the device itself.



Symbol:

Title of the symbol: In vitro diagnostic medical device

Description: Indicates a medical device that is intended to be used as an in vitro diagnostic medical device.

Country of Origin: China

Title of the symbol: Country of Origin

Description: The Country of Origin box defines the Country where the final character transformation of the product has been performed.

Symbol:



Title of the symbol: CE Compliance

Description: The CE marking is the manufacturer's declaration that the medical product meets the requirements of the applicable EC directives and regulations.

Symbol:



Title of the symbol: UKCA

Description: The UKCA (UK Conformity Assessed) marking is a new UK product marking that is used for goods being placed on the market in Great Britain (England, Wales and Scotland). It covers most goods which previously required the CE marking.

Symbol:



Leica Microsystems (UK) Limited
Larch House, Woodlands Business Park, Milton Keynes,
England, United Kingdom, MK14 6FG

Title of the symbol: UKRP










Description: The UK Responsible Person acts on behalf of the non-UK manufacturer to carry out specified tasks in relation to the manufacturer's obligations.

Symbol:



Title of the symbol: CSA symbol

Description: This product fulfills the requirements of the CAN/CSA-C22.2 No. 61010.

Symbol:	Title of the symbol: WEEE Symbol
	Description: The WEEE symbol, indicating separate collection for WEEE – Waste of electrical and electronic equipment, consists of the crossed-out wheeled bin (§ 7 ElektroG).
Symbol:	Title of the symbol: China ROHS
	Description: Environmental protection symbol of the China RoHS directive. This symbol means the device doesn't contain harmful or hazardous substance or elements.
Symbol:	Title of the symbol: Alternating current
	
Symbol:	Title of the symbol: Regulatory Compliance Mark (RCM)
	Description: The Regulatory Compliance Mark (RCM) indicates a device's compliance with applicable ACMA technical standards of New Zealand and Australia – that is, for telecommunications, radio communications, EMC and EME.
Symbol:	Title of the symbol: PE terminal
	
Symbol:	Title of the symbol: ON (Power)
	Description: In the position of power on
Symbol:	Title of the symbol: OFF (Power)
	Description: In the position of power off
Symbol:	Title of the symbol: Caution, hot surface
	Description: Instrument surfaces which become hot during operation are marked with this symbol. Avoid direct contact to prevent the risk of burning.
Symbol:	Title of the symbol: Caution, risk of electric shock
	Description: If the AC outlet connector is wrongly operated, there will be a risk of electric shock. Avoid any wrong operation.
Symbol:	Title of the symbol: Fragile, handle with care



Description: The package contents are fragile and must be handled with care.

Symbol:



Title of the symbol: Keep dry
Description: The package must be kept in a dry environment.

Symbol:



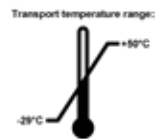
Title of the symbol: Stack limit
Description: The largest number of identical packages allowed to be stacked; "6" stands for the number of permitted packages.

Symbol:



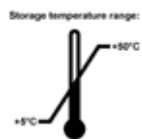
Title of the symbol: This way up
Description: Indicates the correct upright position of the package.

Symbol:



Title of the symbol: Temperature limit for transport
Description: Indicates the temperature range permitted for transporting the package.

Symbol:



Title of the symbol: Temperature limit for storage
Description: Indicates the temperature range permitted for storing the package.

Symbol:



Title of the symbol: Humidity limitation for transport and storage
Description: Indicates the humidity range permitted for storing and transporting the package.

Symbol:



Title of the symbol: Recycle symbol
Description: Indicates the item can be recycled where correct facilities exist.

1.3 Instrument type

All information provided in these Instructions for Use applies only to the instrument type indicated on the cover page. A nameplate indicating the instrument serial number is attached to the rear side of the instrument.

1.4 Intended purpose

The HistoCore Water Bath M is a waterbath in combination with a slide dryer specifically designed to flatten the floating slides ribbon and afterwards evaporate the water on the cut tissue samples used for histological medical diagnosis by a pathologist, e.g., for cancer diagnosis.

The HistoCore Water Bath M is designed for in vitro diagnostic applications.



Warning

- Any other use of the instrument is considered Off Label use. Failure to observe these instructions may result in an accident, personal injury, damage to the instrument, accessories, or specimens. Proper and intended use includes compliance with all inspection and maintenance instructions, along with the observance of all instructions in the Instructions for Use.

1.5 Qualification of personnel

- The HistoCore Water Bath M must be operated by trained laboratory personnel only. The instrument is intended for professional use only.
- All laboratory personnel designated to operate this instrument must read these Instructions for Use carefully and must be familiar with all technical features of the instrument before attempting to operate it.

2 Safety

2. Safety

2.1 Safety notes

The Instructions for Use includes important information related to the operating safety and maintenance of the instrument.

The Instructions for Use is an important part of the product, and must be read carefully prior to startup and use, and must always be kept near the instrument.

This instrument has been built and tested in accordance with the safety requirements for electrical equipment for measurement, control, and laboratory use.

To maintain this condition and ensure safe operation, the user must observe all notes and warnings contained in the Instructions for Use.

The safety and caution notes in this chapter must be observed at all times. Be sure to read these notes even if you are already familiar with the operation and use of other Leica Biosystems products.

The Instructions for Use must be appropriately supplemented as required by the existing regulations on accident prevention and environmental safety in the operator's country.



Warning

- The protective devices located on the instrument and the accessories must not be removed or modified. Only qualified service personnel authorized by Leica Biosystems may repair the instrument and access its internal components.
- If the instrument is to be returned to Leica Biosystems for repair, it must be cleaned and decontaminated in the appropriate manner (→ p. 29 – A1. Decontamination Confirmation).



Note

For current information about applicable standards, please refer to the CE Declaration of Conformity and UKCA Certificates on our Internet site:
<http://www.LeicaBiosystems.com>

- HistoCore Water Bath M complies with the emission requirements for Group I Class B equipment of IEC61326-2-6, and complies with the immunity requirements for equipment intended to be used in PROFESSIONAL HEALTHCARE FACILITY ENVIRONMENT of IEC61326-2-6.
- This equipment is designed for use in a PROFESSIONAL HEALTHCARE FACILITY ENVIRONMENT. It is likely to perform incorrectly if used in a HOME HEALTHCARE ENVIRONMENT. If it is suspected that performance is affected by electromagnetic interference, correct operation may be restored by increasing the distance between the equipment and the source of the interference.
- The electromagnetic environment should be evaluated prior to operation of this device.
- Do not use this device in proximity to source of strong electromagnetic radiation (e.g. unshielded intentional RF sources), as these can interfere with proper operation.
- Before connecting the instrument to the line voltage, ensure that the electrical power requirements of your laboratory match the values on the nameplate of the instrument.
- When installing the power cable, always be sure to route it so that it cannot contact the heated surfaces of the instrument at any time.

- The instrument is designed for indoor use only.
- The instrument must be switched off and unplugged from the power supply during all repair and service work.
- During operation, the instrument surface can be very hot.

2.2 Warnings

The safety devices installed in this instrument by the manufacturer only constitute the basis for accident prevention. Operating the instrument safely is, above all, the responsibility of the owner, as well as the designated personnel who operate, service or repair the instrument.

To ensure trouble-free operation of the instrument, make sure to comply with the following instructions and warnings.

2.2.1 Markings on the instrument itself



Warning

Failure to follow the correct operating instructions (as defined in the Instructions for Use) of the corresponding markings and warning triangles on the instrument.

Serious injury of persons and/or damage to instrument, accessories, or specimens.

- Pay attention to the markings on the instrument and strictly follow operating instructions described in the Instructions for Use when operating or replacing the item marked.

2.2.2 Transport and installation



Danger

Hazardous substances (combustible or flammable) are stored near the instrument or filled in the water tray.

People injury due to the explosion or ignition of the hazardous substances.

- Do not store combustible or flammable substances near the instrument.
- Use non-flammable liquid (preferably distilled water) only.



Warning

The water bath or slide dryers fall off while being lifted by the user.

The instrument or accessories fall or drop to the user, which leads to people injury.

The user prepares sections with potentially damaged instrument or accessories, which may lead to tissue damage.

- Be careful when lifting devices.



Warning

Move the water bath with the slide dryer connected.

Connection cable is damaged, and the slide dryer falls onto the user.

- Disconnect the slide dryer from the water bath when attempting to move the water bath.

2 Safety



Warning

Move the water bath with heated water inside.

Water splashes out, and people slip. Or heated water hurts the user.

- Stop heating and empty the instrument before moving.



Warning

The user plugs the instrument onto a power board with other instruments.

The instrument malfunctions due to unstable current/power, which leads to tissue damage.

- Do not use a power board to install the power cable.
- The instrument must be connected to a grounded power socket.

2.2.3 Operating the instrument



Warning

The user accidentally gets contact with heated water when floating or picking up sections.

The user gets hurt by hot water.

- Be careful of the hot water during operation.



Warning

The user accidentally gets contact with heated surface of the slide dryer.

The user gets hurt by the heated slide dryer.

- Be careful of the hot surface of the slide dryer during operation.



Warning

The water bath base is exposed when the water tray is taken away for exchange of water.

The heated surface of the water bath base hurts the user.

- Be careful of the hot surface of the water bath base during exchange of water.



Warning

Replacing the fuses without switching off the instrument and unplugging the power plug.

Electrical shock which causes injury of persons.

- Turn the instrument off with the power switch and disconnect the power plug from the mains before replacing the fuses. Empty the water tray.



Caution

Using the wrong fuses which are not with the same specification defined in the section of Technical data in the Instructions for Use.

Delayed diagnosis because the instrument does not work using wrong fuses.

- Only use fuses of the same specification defined in the section of Technical data in the Instructions for Use.

3. Instrument components and specifications

3.1 Overview

3.1.1 Instrument components



Fig. 1

- | | | | |
|---|------------|---|----------------------------------|
| 1 | Water bath | 3 | Control panel |
| 2 | Water tray | 4 | Slide dryer (optional accessory) |

3.1.2 Rear view



Fig. 2

- | | | | |
|---|-------------------|---|---------------------------------------|
| 1 | Mains power inlet | 4 | LED illumination |
| 2 | Cable connectors | 5 | Heating sensor (under the water tray) |
| 3 | Two fuses | 6 | Water slot (under the water tray) |

3 Instrument components and specifications

3.2 Main features

HistoCore Water Bath M:

- Detachable water tray;
- Black water tray to provide good visibility and contrast;
- Auxiliary illumination to help with visibility and contrast;
- Anodizing treatment to improve coating durability,
- OLED touch panel to control and indicate both water bath and slide dryer;
- Intuitive user interface to make it easy to access and easy to learn;
- Dimension (WxDxH): 280 mm x 280 mm x 105 mm;
- Heating temperature: up to 60°C;
- Water tray dimension (WxDxH): 230 mm x 180 mm x 53 mm;
- Heating speed: 20 mins +/- 10%, (220V), with the water of standard volume filled, from 15°C to 45°C, at ambient 18°C.

HistoCore Slide Dryer:

- Accessory to HistoCore Water Bath M;
- Space-saving design, small footprint;
- Up to 30 slide capacity;
- Black rack to provide good visibility and contrast;
- 45° angled heated rack, easy for slides pick up and placement;
- No need for power socket, get power supply via HistoCore Water Bath M; one water bath can supply power to up to 2 slide dryers;
- When 2 slide dryers need to be configured with the water bath, an extension cable needs to be ordered;
- Dimension (WxDxH): 200 mm x 280 mm x 98 mm;
- Heating temperature: up to 75°C.

3.3 Technical data

Equipment identification	
Model name	HistoCore Water Bath M
Model number(s)	140607020C1 (Water Bath), 140607010C0 (Optional accessory: Slide Dryer)
Electrical specifications	
Nominal supply voltage	100-120VAC/220-240VAC
Nominal supply frequencies	50/60Hz
Mains supply voltage fluctuations	+/-10%
Power consumption	• 960W max at 100-120VAC • 1200W max at 220-240VAC
Main input fuses (F1)	10A 250VAC
Dimensions and weight specification	
Overall size of device in operating mode (Width x Depth x Height, mm)	• Water bath: 280 x 280 x 105 • Slide dryer: 200 x 280 x 98

Dimensions and weight specification

Overall size serial packaging (Width x Depth x Height, mm)	415 x 395 x 215
Empty weight (without accessories, kg)	3
Overall weight (with accessories, kg)	<ul style="list-style-type: none"> • Water Bath: 3 kg • Slide Dryer: 3 Kg
Device weight including packaging (kg)	4

Capacities

Water tray	Max. 2 L
------------	----------

Environmental specification

Operating altitude (meters above sea level) (min/max)	Up to 2000 m
Temperature (operation) (min/max)	15 - 40°C
Relative humidity (operation) (min/max)	20% - 80%
Temperature (transit) (min/max)	-29°C - 50°C
Temperature (storage) (min/max)	5°C - 50°C
Relative humidity (transit/storage)	20% - 85%
Minimum distance to walls (mm)	10 cm
BTU (J/s)	4094 BTU/h

Emissions and boundary conditions

Overvoltage category to IEC 61010-1	II
Pollution degree to IEC 61010-1	2
Means of protection to IEC 61010-1	I
Degree of protection to IEC 60529	IP20
Heat emission	<4094 BTU/h
EMC class	Class B

Electrical connections and interfaces

Mains power supply *1	100-120V 8A max/220-240V 5A max
Signal connector to Slide Dryer *2	3.3V DC max
Power supply to Slide Dryer *2	100-120V 4A max/220-240V 2A max (not labeled)

Other specifications

CE	Approved
CSA	Approved

4. Setting up the instrument

4.1 Installation site requirements



Danger

Hazardous substances (combustible or flammable) are stored near the instrument or filled in the water tray.

People injury due to the explosion or ignition of the hazardous substances.

- Do not store combustible or flammable substances near the instrument.
 - Use non-flammable liquid (preferably distilled water) only.
- When installing the power cable, always be sure to route it so that it cannot contact the heated surfaces of the instrument at any time.
 - The power socket to which the instrument is to be connected to has to be located near the instrument and easily accessible.
 - The power supply must be at a distance no greater than the length of the power cable – an extension cable must not be used.
 - The substrate must be largely vibration-free and have sufficient load capacity and rigidity for the weight of the instrument.
 - Avoid impacts, bright direct light, and excessive temperature fluctuations.
 - The instrument must be connected to a suitable power socket. Use only the provided power cable, which is intended for the local power supply.

4.2 Standard delivery-packing list

Quantity	Part description	Order No.
1	HistoCore Water Bath M	14 0607 020C1
1	basic instrument	14 0607 02800
1	Set of fuses	14 6000 05950
1	International bundle Instructions for Use (incl. English printout and additional languages on a data storage device 14 0607 81200)	14 0607 81001

If the supplied local power cord is defective or lost, please contact your local Leica representative.



Note

- Please check all delivered parts against the packing list and against your order to verify whether the delivery is complete. Should you find any discrepancies, please contact your Leica Biosystems sales office without delay.

4.3 Unpacking the instrument

1. Set the carton on a flat surface, cut through the adhesive tape and open the carton.



Fig. 3



2. Remove the accessories and carefully lift the instrument out of the carton.



Fig. 4



3. Remove the plastic cover.



Note

- The transport carton and included retaining elements should be kept in case a return shipment is necessary later. To return the instrument, follow the instructions above in reverse order.

4.4 Setting up the instrument

The water bath can work alone, or work with up to two slide dryers.



Fig. 5

The water bath works alone.



Fig. 6

The slide dryer is connected at the right side.

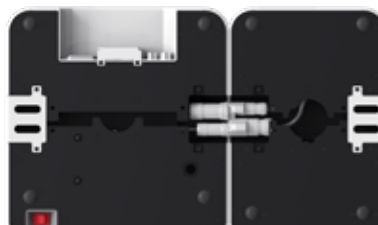


Fig. 7

The slide dryer is connected at the left side.



Fig. 8

The slide dryer is connected at the rear end.



Fig. 9

Two slide dryers are connected at the right side in parallel.



Fig. 10

Two slide dryers are connected at the left side in parallel.



Fig. 11

One slide dryer is connected at the right side, and the other one is at the rear end.



Fig. 12

One slide dryer is connected at the left side, and the other one is at the rear end.

4 Setting up the instrument

Connecting the slide dryer(s) to the water bath

1. Remove the corresponding covers (→ Fig. 13-1) on the bottoms of the water bath and the slide dryer by loosening screws (→ Fig. 13-2).



Fig. 13

2. Pull out the cables from two devices. Connect the cables together (→ Fig. 14-1). You will hear a click sound and feel the connectors fitting into each other. If two slide dryers are to be installed in parallel at the same side of the water bath, use the extension cable to connect the water bath and the outer slide dryer (→ Fig. 14-2).



Fig. 14

Setting up the power supply

1. Before connecting the power cable, make sure that the main switch (→ Fig. 15-1) on the front of the instrument is at "O" (OFF) position.



Fig. 15

2. Use the instrument with the provided power cable only. Insert the connector of the power cable into the connection socket (→ Fig. 16-1) and plug the power plug into the power socket.



Fig. 16

4.5 Switching on/off the instrument



Warning

The user plugs the instrument onto a power board with other instruments.

The instrument malfunctions due to unstable current/power, which leads to tissue damage.

- Do not use a power board to install the power cable.
- The instrument must be connected to a grounded power socket.

Switching on the instrument

1. Before switching the instrument on, fill the water bath with a sufficient quantity of distilled water.
2. Switch on the instrument with the main switch at the front right corner of the instrument. The run/stop button on the control panel is illuminated.
3. Touch the run/stop button, the heating to the water bath and slide dryer(s) (if connected) starts.

For the buttons' functions on the control panel, go to ([→ p. 23 – 5.1 Control panel on the instrument](#)).

Switching off the instrument

The instrument is switched off by single touch of the run/stop button.

You do not have to switch the main switch on or off each time for everyday routine use.

4.6 Moving the instrument

The instrument must be switched off and disconnected from the power supply. The water tray must be empty. The instrument must have cooled down before moving.



Warning

The water bath or slide dryers fall off while being lifted by the user.

The instrument or accessories fall or drop to the user, which leads to people injury.

The user prepares sections with potentially damaged instrument or accessories, which may lead to tissue damage.

- Be careful when lifting devices.



Warning

Move the water bath with the slide dryer connected.

Connection cable is damaged, and the slide dryer falls onto the user.

- Disconnect the slide dryer from the water bath when attempting to move the water bath.



Warning

Move the water bath with heated water inside.

Water splashes out, and people slip. Or heated water hurts the user.

- Stop heating and empty the instrument before moving.

5. Operation

5.1 Control panel on the instrument

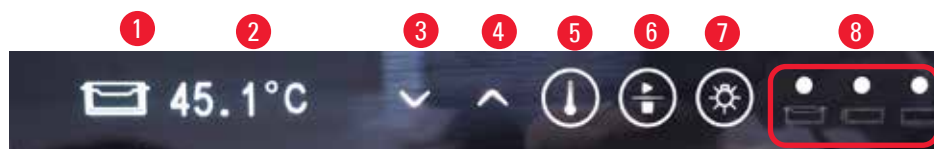





Fig. 17

No.	Indicators	Description
1		Indicate the present module. Water bath Side slide dryer Rear side slide dryer, or the slide dryer which is connected using extension cable when two slide dryers are connected at one side in parallel.
2		Real-time temperature of the present module
8		Green light - The target temperature is reached. Red light - <ul style="list-style-type: none"> The water temperature is higher than the set temperature. The instrument is in malfunction. Red light blinking - The target temperature is not reached yet. Yellow light - Setting temperature is in process.
No.	Buttons	Description
3		Downwards <ul style="list-style-type: none"> Turning page - Touch the button, and the icon of the present module toggles between the water bath and the slide dryer(s). Decreasing target temperature - Touch and hold the button till the target temperature of the present module is displayed. Touch once, and the temperature is lowered by 0.1°C. Touch and hold the button, and the temperature is lowered by 1.0°C after the first integer number is reached.
4		Upwards <ul style="list-style-type: none"> Turning page - Touch the button, and the icon of the present module toggles between the water bath and the slide dryer(s). Increasing target temperature - Touch and hold the button till the target temperature of the present module is displayed. Touch once, and the temperature is increased by 0.1°C. Touch and hold the button, and the temperature is increased by 1.0°C after the first integer number is reached.

5 Operation

No.	Buttons	Description
5		Set button Touch and hold the button for more than 1 second, and the target temperature of the present module is displayed.
6		Run/Stop button <ul style="list-style-type: none">• Touch once - switch on/off the heating to the whole system.• Touch and hold - switch on/off the heating to slide dryer(s).
7		LED illumination on/off

Please note that adding the hot water, whose temperature is higher than the target temperature in the water tray, could delay the use of the instrument.

Please note that accidental drop to ground of the water tray during water exchanging could damage the water tray and cause possible water leakage or slow the heating.

5.2 Setting the temperature

The displayed temperature corresponds to the current actual value. Touching either of the upwards or downwards button for about 2 seconds brings the temperature of the instrument to the latest stored target value. To adjust to the desired temperature, do the following steps.

1. Touch either of the upwards or downwards button till the target module icon occurs.
 2. Touch and hold the button till the latest stored target value is displayed.
 3. Touch once, and the value is increased/decreased by 0.1°C. Touch and hold the button, and the value is increased/decreased by 1.0°C after the first integer number is reached.
 4. After the desired temperature is reached, release the button.
- ✓ The displayed value is saved automatically. This stored target value will continue to be displayed for about 2 seconds, then the current actual temperature display will appear again.

The target value remains saved both when the instrument is switched off (by the run/stop button or the main switch) and in case of power failure and disconnection from the power supply.

The control panel display will be turned off if all heatings reach the target temperature and no button has been touched for 5 minutes. Touch any button twice to restore the display.

**Warning**

The user accidentally gets contact with heated water when floating or picking up sections.

The user gets hurt by hot water.

- Be careful of the hot water during operation.

**Warning**

The user accidentally gets contact with heated surface of the slide dryer.

The user gets hurt by the heated slide dryer.

- Be careful of the hot surface of the slide dryer during operation.

**Warning**

The water bath base is exposed when the water tray is taken away for exchange of water.

The heated surface of the water bath base hurts the user.

- Be careful of the hot surface of the water bath base during exchange of water.

5.3 Power on/off the slide dryer

The heatings to the water bath and slide dryer(s) are both on after the instrument is powered on by single touch of run/stop button. The heating to the slide dryer(s) can be turned off separately. To turn off the slide dryer(s), touch either of the upwards or downwards button till the target module icon occurs. Touch and hold the run/stop button till **OFF** is displayed.

To turn on the slide dryer(s), touch either of the upwards or downwards button till the target module icon occurs. Touch and hold the run/stop button till temperature value is displayed.

6 Cleaning and maintenance

6. Cleaning and maintenance

6.1 Cleaning the instrument

- Before cleaning the instrument, turn it off using the main switch and disconnect it from the power supply.
- Empty the water tray.
- The instrument must have cooled down for cleaning.
- Use wet, lint-free tissue paper to clean the instrument.
- Cleaning products suitable for the removal of paraffin can be used to clean the instrument.
- Do not use organic solvents (e.g. alcohol or xylene). Recommend the common laboratory detergents.

6.2 Replacing fuses



Warning

Replacing the fuses without switching off the instrument and unplugging the power plug.

Electrical shock which causes injury of persons.

- Turn the instrument off with the power switch and disconnect the power plug from the mains before replacing the fuses. Empty the water tray.



Caution

Using the wrong fuses which are not with the same specification defined in the section of Technical data in the Instructions for Use.

Delayed diagnosis because the instrument does not work using wrong fuses.

- Only use fuses of the same specification defined in the section of Technical data in the Instructions for Use.

Use only the supplied replacement fuses. Both fuses must have the same rating (check the imprint). Replace the fuses in pairs.

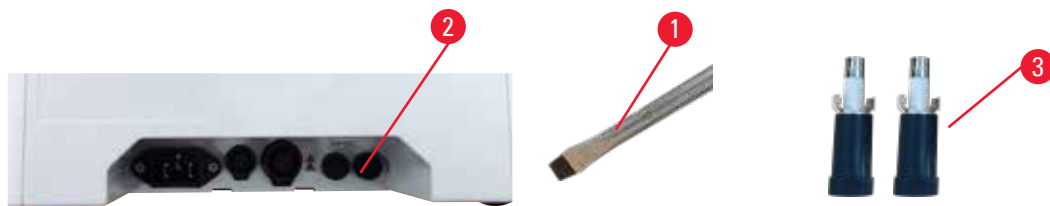


Fig. 18

1. Use a straight screwdriver (→ Fig. 18-1) to rotate the fuse holder (→ Fig. 18-2) to 10 o'clock direction.
2. Pull out the fuse holder (→ Fig. 18-3) carefully.
3. Replace the defective fuses with two new ones.
4. Insert the fuse holders and use the straight screwdriver to rotate them in place.

7. Troubleshooting

Instrument behavior	User action
<ul style="list-style-type: none"> Water target temperature cannot be reached after long time heating; the red light blinks all the time. 	<ol style="list-style-type: none"> Clean the water tray completely, especially the internal and external surface of the bottom part. Switch off and then switch on the device. If the problem cannot be solved by the first 2 steps, contact customer service.
<ul style="list-style-type: none"> Red light is always on; the heating stops. 	<ol style="list-style-type: none"> If water temperature is higher than the target temperature, wait till water cools down. Switch off the instrument and wait for 30 minutes, then switch on the device. If the problem cannot be solved by the first 2 steps, contact customer service.
<ul style="list-style-type: none"> Device cannot be switched on. 	<ol style="list-style-type: none"> Check the fuses integrity and replace both of them. If the problem cannot be solved by fuses replacement, contact customer service.
<ul style="list-style-type: none"> Water leakage on table. 	<p>Check the water tray to see if there's water leakage and contact customer service.</p>

8. Ordering information

Part description	Order No.
HistoCore Slide Dryer	14 0607 010C0
Extension cable accessories	14 0607 03001
Removable water tray	14 0607 03002

A1. Decontamination Confirmation

Any product that is to be returned to Leica Biosystems or serviced on site must be properly cleaned and decontaminated. The associated decontamination certificate template can be found on our website www.LeicaBiosystems.com in the product menu. This template must be used to enter all required data.

If a product is returned, a copy of the completed and signed decontamination certificate must either be enclosed or handed over to a service technician. The user shall be responsible for products that are returned without a completed decontamination certificate or with a missing decontamination certificate. Return shipments that are classified by the company as a potential hazard source will be returned to the sender at his/her own expense and risk.

A2. Warranty and Service

Warranty

Leica Biosystems Nussloch GmbH guarantees that the contractual product delivered has been subjected to a comprehensive quality control procedure based on the Leica in-house testing standards, and that the product is faultless and complies with all warranted technical specifications and/or agreed-upon characteristics.

The scope of the warranty is based on the contents of the contract concluded. The warranty terms of your Leica sales organization or the organization from which you have purchased the contractual product shall apply exclusively.

Service information

If you require technical service, please contact your Leica sales office or dealer who sold the product. This instrument is dealt with in the warranty without spare parts via a graduated credit note in a Technical Service Bulletin (TSB).

The following information about the instrument is required:

- Model name and serial number of the instrument.
- Location of the instrument and name of a contact person.
- Reason for the service call.
- Date of delivery.

Decommissioning and disposal

The instrument or parts of the instrument must be disposed of according to existing applicable, local regulations.

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