

Supplementary information for the BIOMED manual

Important note

This instruction manual is an essential part of the product and must be read carefully before the product is switched on and used.

This manual contains important instructions and information on the operating safety and maintenance of the product and must therefore be kept in a safe place.

Safety information to be read before switching on



To ensure that the product and its accessories are in a perfectly safe condition, please note and adhere to the following directions and warnings:

The mains plug may only be inserted into a grounded socket, and any extension cable used must be similarly grounded. Using the ground connection, any connected accessories which have their own and/or a different supply voltage can be given the same ground conductor potential.

Please contact our servicing personnel if you intend to connect units without a ground conductor.

The instruments and accessories described in this instruction manual have been tested for safety or possible hazards. Before modifying the instrument in any way or combining it with non-Leica components not dealt with in this manual, it is essential to consult the Leica agency for your area or our main factory in Wetzlar!

General technical data

DM BIOMED	
For inside use only.	
Supply voltage (mains):	100/120 – 130/220 – 230/240 V
Frequency:	50–60 Hz
Power consumption:	max. 30 W
Fuses:	T 125 mA
Ambient temperature:	10–36 °C
Relative humidity:	0–80 % at 30 °C
Over-voltage category:	II
Contamination class:	II

Leica

Text symbols and their meaning

Numbers in brackets, e.g. (1.2), refer to illustrations, in this example Fig. 1, position 2.

Numbers with an arrow, e.g. → p.20, refer to a particular page in the manual.

Special safety information is marked in the margin by the symbol on the left and given a grey background.

Caution! Wrong operation can lead to damage of the microscope or accessories.

Explanatory note

Unpacking, documents

Please compare the delivery carefully with the packing note, delivery note or invoice. We strongly recommend that you keep a copy of these documents with the manual, so that you have information on the time and scope of the delivery later when ordering more equipment or when the microscope is serviced. Make sure that no small parts are left in the packing material. Some of our packing material has symbols indicating environment-friendly recycling.

n.b.! When lifting the microscope out of the packaging and moving it about on the desk, make sure not to damage the sensitive damping feet on the underneath of the microscope.



Do not connect microscope and peripherals to mains yet!

Installation site

Make sure that the workplace is free from oil and chemical fumes. Vibrations, direct sunlight and major temperature deviations have a negative effect on measurements and photomicrography. It is important to stand the microscope on a stable desk of optimal height (60–80 cm). This and an ergonomic, adjustable chair are the basic physical requirements for fatigue-free microscopy.


Setting the mains voltage



Always disconnect from the mains before setting the mains voltage. Make sure to check the voltage setting (110 V or 220/230 V) on the base of the microscope and correct if necessary.

The voltage selector can be set at the required position with a coin. The appropriate voltage values appear in the rectangular window next to “V~”. You will hear a click as the switch engages.

Fuses

The two fuses are also accommodated on the base of the microscope and marked with the rating “ T 125 mA”.

To change the fuses, remove the locking button, which also acts as the fuse holder, by exerting slight pressure on it with a coin and then rotating.

It is replaced by following these instructions in the reverse order.

Never use fuses of different ratings!



In the case of external lamp power units, always set the mains voltage according to the special manual or use a transformer.

***EU Declaration
of Conformity***

We hereby declare that the device described below, both in its basic design and construction and in the version marked by us, conforms to the relevant safety- and health- related requirements of the appropriate EU directives
This declaration shall cease to be valid if modifications are made to the device without our approval.

Product:	BIOMED
Model:	Macroscope
Identification No.	020-462. 001
EU directives	Lower voltage: 73/23/EEC EMC:89/7336/EEC
Harmonised standards applied:	EN 50081-1 EN 50082-1 EN 61010-1
National and international standards applied:	VBG 1 VBG 4

Wetzlar, 2.12.1996

Prof. Dr.-Ing.habil. M. Jacksch, Managing Director