

Informatie

Manual for compound, monocular microscope BMS 036 LED

The compound microscope allows you to study, at cell level, structures and textures of botanical and zoological nature. (e.g. slides of roots, leaves and stems or blood, skin and hairs). Depending on the chosen microscope, the total magnification lies between 40-400 times. By using different accessories, this magnification can be expanded.

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Always disconnect mains plug from power point
before maintenance

Applicable for: BMS 036.

1: Scope of delivery (numbers refer to the photo):

- 1) Eyepiece WF 10x, with pointer
- 2) Monocular tube
- 3) Fixation screw to secure eyepiece
- 4) Microscope head, with prism.
- 5) Full metal stand
- 6) Full metal base with electrical parts, rechargeable battery and connection for battery charger.
- 7) Triple nose piece, revolving.
- 8) Objectives, DIN Achromatic (with plastic containers)
4x/N.A. 0,10
10x/N.A. 0,25
40x/N.A. 0,65 spring loaded
- 9) Coarse adjustment with slip clutch
- 10) On-off switch
- 11) Lamp house with condenser lens
- 12) Disc diaphragm with apertures
- 13) Fixed condenser lens N.A. 0,65
- 14) Stage
- 15) Stage clips (stainless steel)
- 16) Adjustable slide protection
- 17) Dust cover (not on photo)
- 18) Battery charger

To prevent condensation of the optical parts,
it is recommendable to let the microscope get adapted to the room temperature
while still in the original packing

2: To get started

The objectives have already been placed in the nose piece in the right sequence. They are parfocal and parcentered. Unless necessary, do not remove the objectives. Put the plug into an earthed power point (see if the right voltage is provided). The BMS 036 is a rechargeable microscope and can be used without a direct connection to a power point.

A fully recharged battery lasts approximately 8 to 12 hours.

It takes about 8 hours to recharge the battery. In case the battery runs flat, the microscope can be connected to a power point. One can use the microscope normally while the battery is recharged at the same time.

The LED illumination is a maintenance free form of illumination. It will last for the life time of the microscope.

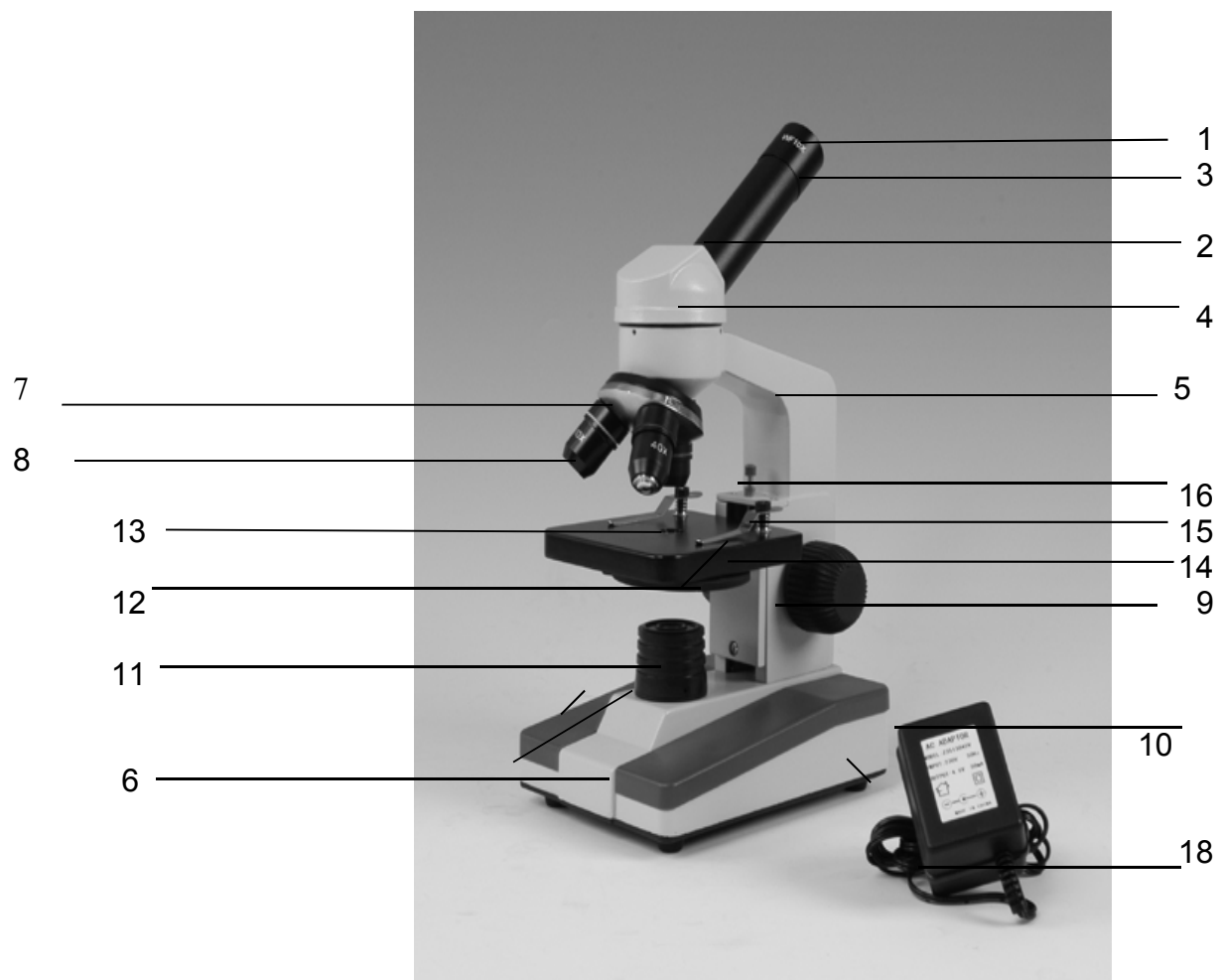
Place the slide on the stage (19), lift up the stage clips (20), and secure the slide. Make sure the objective with the smallest magnification (4x) is above the slide. Use coarse adjustment (9) to focus the specimen. By revolving the nose piece, and bring another objective in the path of light, a different total magnification will be reached. |

3: Safety notes

- Only use earthed power points.
- Before maintaining, opening or cleaning the microscope make sure the mains plug is disconnected from the power point.
- Clean the optical parts only with a soft cloth. Do not touch the lenses with your fingers. Do not soak the lenses in cleaning liquids.
- Do not allow any contact between liquids and electrical parts.

4: Storage

Store the microscope in a dry and dust free area. Always use the dust cover (23).



Environment protection first!
Your appliance contains valuable materials which can be recovered or recycled.
Leave it at a local civic waste collection point