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Mode d'emploi

Stéréomicroscope Série ST

C. Care and cleaning of the microscope

To take good care of the microscope, the user should avoid the attack of **dust and water**. If dust and water come to the microscope, **fungus** will eventually grow and kill the microscope. Please notice that once fungus is grown, even after cleaning, the microscope will have a good chance to be re-infected again. Moreover, **grease stain** and **fingerprints** will distort the image, which should be avoided.

1. Protection against dust

When the instrument is not used for a long period of time, cover it with the enclosed dust cover. Never leave the eyepiece tube open without any covers. Either leave the eyepiece in the tube (recommended if the microscope is used very frequently) or cover it with wrapping paper or covering cap. Eyepieces and other optical accessories, when not in use, are recommended to be kept in a dry box to protect them against dust and water.

2. Protection against water

The instrument should be kept away from water source, pipeline or water sink. Humidity in the room where the instrument is located should be as low as possible (relative humidity should be kept below 70%). All the optical accessories are recommended to be kept in a dry box when not in use. The use of dehumidifier and 24-hour air conditioning is highly recommended if the surrounding is very humid.

3. Cleaning

- a. If dust is found on the optical surface, try to remove it by air blower or compressed air.

- b. For fingerprints, grease stain or dust which cannot be remove by air blower, two possible methods are recommended:-

— Breathe lightly on the glass surface and wipe with a piece of clean cloth, lens paper or cotton swab. Please notice that small cotton fibre may be left onto the lens surface if a cotton swab is used.

- Dip a cotton swab or lens paper with a small amount of **absolute alcohol**, and clean the lens surface carefully. No other aggressive solvents should be used.

In no circumstances should the user clean any lens surface with dry cotton swab, cloth or lens paper. This will scratch the lens surface causing irreparable damage. Water is not recommended for cleaning of lens as it will leave some water stain on the lens surface and if water residue is left on the lens, fungus can grow causing irreparable damage.

4. Moving the microscope

- a. The microscope should not be moved around whenever it is possible.
- b. If moving is unavoidable, the user should ensure that, before moving, the eyepieces are firmly locked in the eyepiece tube, the microscope is firmly locked onto the vertical post and the support collar is firmly locked.
- c. The user should move the microscope with both hands, one hand holding the bottom of the stand and the other hand holding the top of the vertical post or the focusing carrier of the microscope.

- d. The microscope should always be kept vertical when being moved.
5. Electrical parts of the microscope
 - a. Before plugging in the power cord with the supply, make sure that the supplying voltage matches with the operation voltage of the equipment.
 - b. Turn **off** the equipment before plugging in the power cord with the supply.
 - c. The best practice is to turn the voltage down to the lowest before turning off the equipment.
 - d. Do not turn the power on and off, off and on immediately as this will shorten the life span of the bulbs and may cause damage to the electrical system.
 - e. Users should observe all safety regulations of the region. The equipment is manufactured according to the CE, UL, and other safety instruction. However, users do have full responsibility to use this equipment safely.

**** SHOULD YOU HAVE ANY PROBLEMS CONCERNING USING THE MICROSCOPE, PLEASE CONTACT YOUR AGENT IMMEDIATELY. WE ARE ALWAYS READY TO HELP IN ALL ASPECTS. ****

**** BECAUSE OF TECHNOLOGICAL ADVANCEMENT. THESE SAFETY INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE AND WITHOUT OBLIGATION. ****

YOUR LOCAL AGENT:—

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SAFETY INSTRUCTIONS FOR USING THE STEREO MICROSCOPE

In order to fully utilize your microscope safely, please notice the following important instructions before starting with the microscope.

A. Before turning on the power

Plug the electrical connection of the stand or light source to the electrical supply. **Before plugging and turning on the power, make sure that the operation voltage of the microscope does match with the voltage supply.**

B. Changing the bulb

1. Before changing the bulb, **make sure that the power switch is off and the power cord has been disconnected from the main supply.**
2. Carefully remove the old light bulb from the socket and plug the new bulb in.
3. **Never touch the glass surface of the bulb with naked hand.** Any grease stain brought onto the bulb by the naked hand will negatively affect the heat dissipation and, thus, greatly shorten the life span of the bulb. Clean the bulb surface with alcohol and tissue if the user has touched the bulb surface accidentally.
4. Specifications of light bulb can be found on the surface of the microscope. If required, please contact your local agent for supply of new light bulbs.

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