



## The Micro Science<sup>®</sup> INSTRUCTIONS

### WARNING!

Only for use by children over 8 years old. Only for use under the supervision of adult. This toy contains functional sharp edges.

### Guidance for Supervising Adults

- A) This microscope is recommended for children over the age of 8 years old.
- B) Carefully read and follow the instructions, safety regulations, and first aid information for reference..
- C) This microscope set comprises of functional sharp needle, sharp edge on scalpel and slicer.
- D) Inaccurate use of chemicals can result in injury and harm to health.
- E) Due to the fact that the abilities of children differ, supervising adults should assess as to which experiment is appropriate and unharmed for them.
- F) Supervising adult should properly discuss the dangers and safety regulations with the child(ren) before preparations begin.
- G) The preparation area should be kept clear of any obstructions. It should be well lighted and freshen, and near water supply.
- H) Separate container should be use for discarding of hard waste chemicals. Used chemical solutions should be discharged down a drain not into a sink.

### Safety: Regulations & Recommendations

#### Regulations:

- Read all necessary instructions before commencing the experiment.
- Always wear eye protection.
- Keep away young infants, animals, and those not wearing eye protection from experimental area.
- Reserve the microscope sets where young infants are out of reach.
- Hands should be washed after carrying out preparations.
- After using the microscope set, clean all equipments.
- Do not use any equipment which has not been supplied with the set.
- Never drink, eat, or smoke in the experiment location.
- Do not let any chemical interacts with the eyes or mouth.
- Do not substitute foods in original container. It should be immediately dispose.

### Safety Recommendations:

Always seek medical attention in case of any doubts.

#### In case of:

- **Eye contact:** Wash out eye with plenty of water, and if necessary holding eye open.
- **Inhalation:** Remove person to fresh air.
- **Cut:** Cut should be washed in antiseptic solution, or clean water. Next step is to put on a bandage.
- **Swallowed:** Do not encourage vomiting. Wash out mouth with water, and drink fresh water.

### ATTENTION

The following information should be read carefully in order to overcome confusions.

This microscope set is appropriate for children over 8 years old. If not applied, supervision of an adult is required as this set comprises of sharp dissecting needle, practical sharp edge on scalpel, spatula, and pointed tweezers.

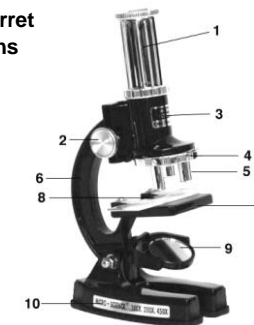
Before using the microscope set, attentively and carefully read the instructions, follow the guide, and have them for direction in case you need further helpful hints.

In any situations, be extreme caution to not allow chemicals to come into contact with any part of the body, especially the eyes and mouth. Keep away young infants and animals from the experiment. Always reserve the microscope set in a place where young infants is out of reach.

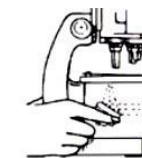
Eye protection is not provided, it can be obtained from any science departments, and major shopping outlets. Remember, in case of accidents please seek medical advice.

### Components of a Microscope

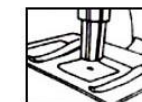
- 1) Eyepiece
- 2) Focusing Knob (handle)
- 3) Body Tube
- 4) Revolving Turret
- 5) Objective Lens
- 6) Arm
- 7) Stage
- 8) Clip
- 9) Mirror
- 10) Base



### Procedures



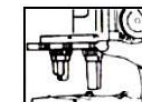
**STEP 1 –** Tilt the body and adjust the location of the reflector, therefore, the light is fully caught by the mirror.



**STEP 2 –** Now put the prepared slide on the platform, and fasten it in place with the clips.



**STEP 3 –** Next, choose which magnification strength you desire. Remember, the greater the length of the objective lens the bigger the magnification. In general, inspection is usually made at a low setting.



**STEP 4 –** To change the magnification strength, turn the revolving turret until you hear a click.

**STEP 5 –** Using the focusing knob, let down the lens as close as possible to the prepared slide sans making interactions. Next, looking through the eyepiece, turn the knob anti-clockwise until the reflection achieve clarify.