


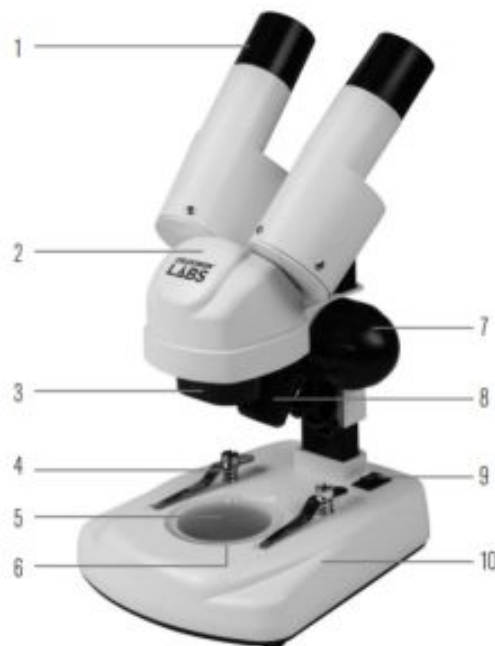


## CELESTRON LABS 44137 S20 Angled Stereo Microscope User Manual

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**CELESTRON<sup>®</sup>**  
**LABS**

**44137 S20 Angled Stereo Microscope  
User Manual**



Congratulations on your Celestron Labs microscope purchase. Your new Celestron Labs microscope is a precision optical instrument, made of the highest quality materials to ensure durability and long life. It is designed to give you a lifetime of enjoyment with minimal maintenance.

The S20 microscope provides a low power of 20x. The S20 is a stereo low magnification microscope ideal for

examining specimens such as coins, stamps, rocks, electronics, jewelry, watches, insects, and other 3D objects. Before attempting to use your Celestron Labs microscope, please read these instructions to familiarize yourself with the parts and functions of the microscope.

Refer to the microscope diagrams to locate the parts discussed in the manual. The final section of the manual provides simple care and maintenance tips.

## **IN THE BOX**

- Microscope CL-S20
- 2 stage plates
- 2 bug specimens
- 2 AA batteries

## **PARTS**

1. Eyepieces
2. Head
3. Objective Lens Housing
4. Stage Clips
5. Stage Plate
6. Lower Illuminator (Below Stage Plate)
7. Focus Knob
8. Upper Illuminator
9. Power Button
10. Base

## **SPECIFICATIONS**

STAGE: Stage plate with clips

HEAD: Binocular with 45° incline

MAGNIFICATION: 20x

FOCUSER: Coarse focus

OBJECTIVE: 2x

EYEPIECES: WF 10x

INTERPUPILLARY DISTANCE:

2.17 in – 2.95 in

(55 mm – 75 mm)

ILLUMINATOR: LED

WORKING DISTANCE: 2.76 in (70 mm)

DIMENSIONS: 4.0 in x 5.3 in x 9.75 in

(102 mm x 135 mm x 248 mm)

WEIGHT: 1 lb- 2 oz / .49 kg

## **SETTING UP YOUR MICROSCOPE**

1. Remove the Styrofoam container from the carton.
2. Carefully remove the microscope and accessories from the container and set them on a table, desk, or another flat surface.
3. Remove bag coverings from the microscope.
4. Remove the stage plate (5) from the cover.

5. Install the stage plate (5) by putting it in the circular opening in the base (10). You may need to loosen or tighten the stage clips (4) by rotating the stage clips knob.
6. Open the battery compartment on the base (10) of the microscope.
7. Install the two AA batteries (supplied) and close the battery compartment.

## **VIEWING A SPECIMEN**

Stereo microscopes produce a true 3D image of the specimen. Your microscope includes bug specimens to help you get started.

1. Carefully place a specimen in the center of the stage plate.
2. Press the power button (9) to turn on the upper illuminator (8).
3. Look through the eyepieces and gradually turn the focus knob (7) until the specimen comes into focus.

**NOTE:** You may need to adjust the interpupillary distance of the eyepieces for better viewing. Rotate the eyepieces up and down to adjust the eyepiece distance.

**TIP:** You can further illuminate a specimen by using an additional source of lighting such as a desk lamp, table lamp, bright overhead light, or natural light.

## **CARE, MAINTENANCE AND WARRANTY**

Your Celestron Labs microscope is a precision optical instrument and should be treated with care at all times. Follow these care and maintenance suggestions and your microscope will need very little maintenance throughout its lifetime.

- When you are done using your microscope, remove any specimens left on the stage.
- Turn off the power and unplug the power cord (if applicable).
- Always place the plastic bag or dust cover over the microscope when not in use to help keep it clean.
- Store the microscope in a dry, clean place.
- Be very careful if using your microscope in direct sunlight to prevent damage to the microscope or your eyes.
- To carry your microscope, place one hand on the “arm” of the microscope and the other hand under the base for support. Do not grasp your microscope by the focuser knob or head.
- Clean the outside surfaces (metal and plastic) with a moist cloth.
- Always unplug any cords before cleaning.
- Never clean optical surfaces with cloth or paper towels as they can scratch optical surfaces easily. Instead, use an air blower or camel hairbrush.
- To clean fingerprints off of optical surfaces, use a lens cleaning agent and lens tissue available at most photo supply stores. When cleaning, do not rub in circles as this may cause streaks or scratches.
- Never disassemble your microscope or clean internal optical surfaces. Only qualified technicians at the factory or an authorized repair facility should attempt these repairs.
- When handling glass specimen slides, use care, as the edges can be sharp.





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