

Biological Microscope

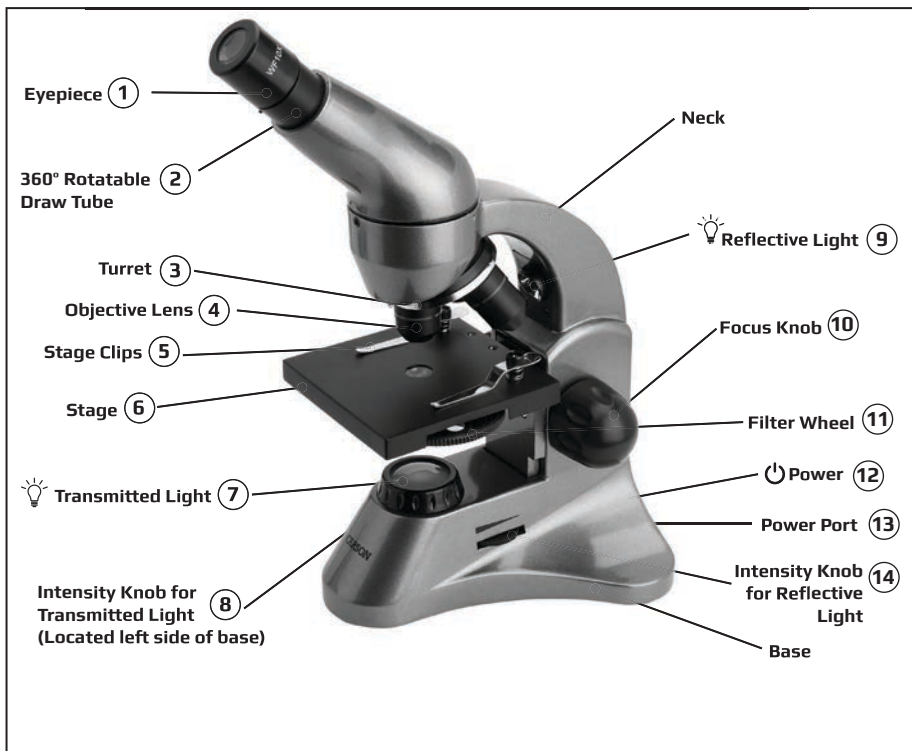
Intermediate 40x-400x Biological Microscope

Congratulations on selecting your new Microscope! In order to achieve optimum performance, please follow instructions for proper use and care.

PRODUCT SPECIFICATION

Monocular Tube:	Rotatable 360°	Stage:	Mechanical (90mm x 90mm)
Total Magnification:	40x-400x	Condenser:	NA 0.65
Eyepiece:	WF10x	Filter:	Wheel with 5 Color Options
Objectives:	4x, 10x, 40x	Power Cord:	AC110V-240V, 50/60Hz
Illumination:	Unique Dual Lights (Transmitted and Reflective) for Enhanced Viewing Choices		

MS-040 DIAGRAM



SETTING UP

1. Place microscope on a secure surface.
2. Insert the end of the power cord into the microscope's Power Port (13) and plug the opposite end into any standard outlet.
3. Place Eyepiece (1) into Draw Tube (2).
4. Position specimen on Stage (6), with area of interest centered.

Note: Before using slide, wipe both sides with a damp microfiber cloth to remove dust, dirt or debris.
5. Use Stage Clips (5) to securely hold down slide or specimen.
6. Rotate Turret (3) so that the 4x Objective Lens (4) (always begin with lowest power) is directly above specimen.
7. Turn Power Switch (12) to the on position.

CHOOSING APPROPRIATE LIGHT (Transmitted or Reflective)

For Transparent Specimens:

For specimens such as biological slides, rotate the **Transmitted Light Intensity Knob (8)** to turn on light and adjust intensity.

For Opaque or Reflective Specimens:

For specimens such as a leaf or a metal object, rotate the **Reflective Light Intensity Knob (14)** to turn on light and adjust intensity.

Please note, specimens that are not fully transparent or fully opaque may require the use of both lights to achieve optimal viewing.

FOCUSING

1. Look into Eyepiece and you should see a white circular field.
2. Slowly adjust the Focus Knob (10) until the area of interest is sharp and clear.
3. Adjust light intensity on light source(s) to achieve best image.

Warning: Be careful that the Objective Lens does not touch the specimen. It can damage the Objective Lens and/or specimen.

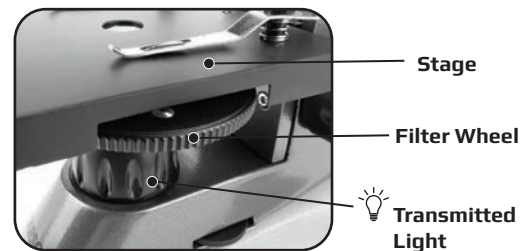
MAGNIFICATION

Eyepiece	Objective Lens	Total Magnification
10x	4x	40x
10x	10x	100x
10x	40x	400x

To change magnification, rotate the Turret so that the desired Objective Lens is directly above specimen. Refocus as needed.

COLOR FILTERS

Color filters may be used to enhance contrast on clear or stained slides. To use color filters, rotate Filter Wheel (11) until it clicks into desired color filter.



CARE & CLEANING

- When moving the microscope, hold by the neck or base of the microscope body. Never hold by the eyepiece, draw tube, or turret.
- Cleaning:
 1. Unplug power cord and use a slightly damp microfiber cloth to clean microscope body.
 2. Use a slightly damp microfiber cloth and rub gently to remove dust or debris on eyepiece or objective lens. Do NOT rub with a dry cloth. This can scratch the eyepiece and/or objective lens.
 3. Store microscope in original packaging to protect from dirt, debris, dust or moisture.

Customer Service:

If you experience any difficulties, please contact us and we will be happy to help you.



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For warranty information, visit www.carson.com/warranty

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