

About the Home Microscope Series

The **Home Microscope** is the best choice for most families and schools; it gives you exceptional quality at a great price. Customers consistently rate it with five stars. This full-size compound microscope is easy to use and provides large, clear images that will meet your needs for high school biology.

What customers say...

"Absolutely stunning resolution. You can see so clearly, it's hard to not be tempted to just spend the day "finding" things to put under the scope. A serious microscope and a seriously great value."



Why Choose the Home Microscope?

Features. The Home microscope comes with all the features you would expect of any good-quality high school microscope, including high-quality glass optics and a durable metal frame. While most high school scopes at a similar price use tungsten lighting, the Home Microscope has cooler, brighter fluorescent lighting.

Quality. Each Home microscope is carefully inspected by our in-house quality control specialist, who checks everything from the optics to the mechanical operation. Nothing that we are not 100% satisfied with will ever be sent to you, so you can be sure of top quality right out of the box.

Lifetime Warranty. Unlike some of the other educational microscopes you might see online, Home Science Tools guarantees that your microscope will be free from defects in material and workmanship under normal use for the life of the instrument – so if you have any problems, we are happy to repair or replace your microscope immediately.

Tour of the Home Microscope

Magnification. Standard magnification of 40x, 100x, and 400x is produced when the 10x eyepiece is multiplied by the magnification of the 4x, 10x, and 40x objective lenses.

Objective Lenses. The all-glass lenses are...

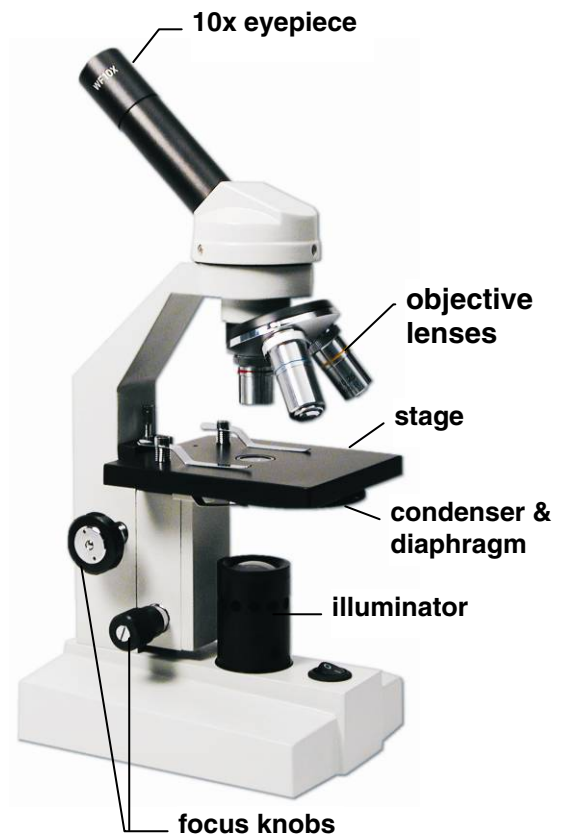
- *Achromatic*, which means they prevent color distortion
- *Parcentered*, which means that when you center your slide on one magnification level, it will stay centered on all the others
- *Parfocal*, which means that once you've focused on an object using one objective, the microscope will still be coarsely focused when you switch to a different objective. All you'll have to do is adjust the fine focus a bit.

Stage. This is the platform that holds the slide up beneath the objective lens. The stage clips hold the slide in place. (You can add a more convenient mechanical stage.)

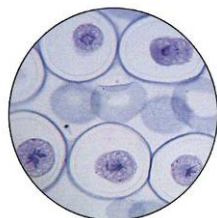
Condenser & Diaphragm. The condenser focuses and condenses the light rays from the illuminator to give better image resolution. The disc diaphragm has several settings to let you control how much light passes through the specimen, which also helps with resolution. You'll need more light at higher magnification than lower.

Illumination. Bright, cool fluorescent lighting is a key feature of the Home microscope. It is more enjoyable to use, produces a bright clear image, and is cool enough for live specimens.

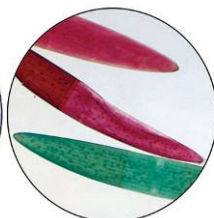
Focus. A coarse focus knob gets your specimen mostly in focus, and then you can make small adjustments with the fine focus knob.



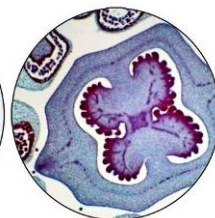
A Sneak Peek at What You'll See — Images observed with the Home microscope:



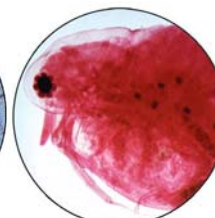
Ascaris Mitosis
400x



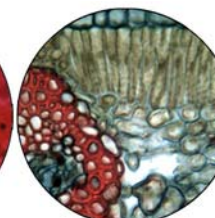
Desmids
100x



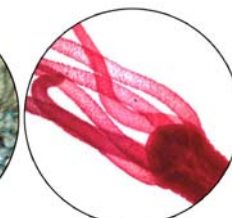
Lily bud
40x



Daphnia
100x



Ficus leaf
100x



Hydra
40x

Other Microscopes in the Home Series



Home 1000x

This deluxe scope has the following upgraded features:

- 100x objective lens for 1000x magnification
- Mechanical stage for precise slide movement
- Adjustable condenser and iris diaphragm.



Home Iris Diaphragm

This scope has a more fully adjustable condenser and diaphragm, so you can have the control to get the very best contrast and image resolution. The iris diaphragm gives infinite degrees of light control.



Home Dual-head

Same features as the Home microscope, but with a vertical eyepiece and an inclined eyepiece. This allows teachers and students to work at the same time, and is also perfect for digital microscope photography.

Microscope Series Comparison

In addition to the Home microscope series, Home Science Tools also sells two other series of microscopes, the Kids series and the Ultimate Home series.

Kids Microscope



Why buy?

This model is a great beginner microscope

Best use

Best for elementary and junior high

Magnification

40, 100, and 400x

Illumination

15-watt tungsten or LED

Warranty

Lifetime

Focus

Intermediate

Home Microscope



This is affordable with high-school-level features

Best for junior high and high school

40, 100, and 400x

5-watt fluorescent

Lifetime

Separate coarse/fine

Ultimate Home Microscope



This model has top-of-the-line features and quality

Best for high school, college, and laboratory use

40, 100, 400, and 1000x

20-watt halogen variable

Lifetime

Coaxial coarse/fine