

Microscopes



A light microscope is an optical device that uses visible light and lenses to magnify small objects. It typically consists of an eyepiece, objective lenses, stage, light source, and focusing knobs. There are different types, including compound, stereo, and phase-contrast microscopes, used for various applications. It is commonly used in biology, microbiology, and medical laboratories to study cells and tissues. Light microscopes offer magnifications up to 1,500x, with modern versions featuring digital imaging capabilities.