

I'm not a robot





























Light path of light microscope controls the amount of light available to reach the specimen, and therefore ultimately the eye of the person using the microscope. Substage illumination (lighting) - Location of light source: The only illumination of the specimen should be from the substage position. Additional illumination from other, e.g. higher, positions reduce the contrast in the final image which reduces the quality of the image seen by the user. Colour of light source: "White" light, which is a combination of a wide range of wavelengths, is frequently used but light of predominately shorter wavelengths e.g. blue light enables a higher resolution image to be formed. Stand / Base - The "stand" or "base" is not part of (within) the optical path but is an important part of the outer mechanical structure of the microscope. As demonstrated in the following microscope video demo, it is important to support the base of a light microscope when carrying or moving it. The above microscope video demonstration is a simple introduction to use of a compound optical microscope. It is only 4 mins long and especially useful for anyone unfamiliar with what an optical microscope looks like or how to use one.