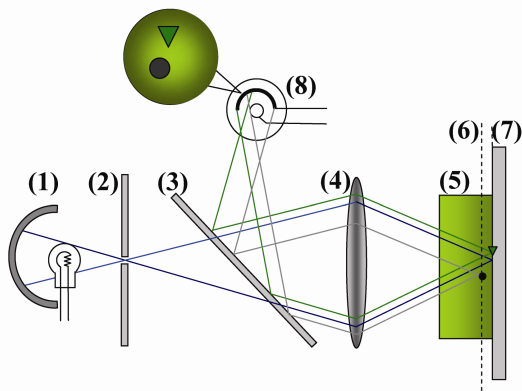
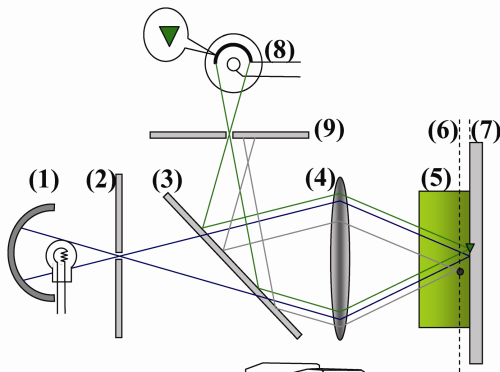


Wide Field Fluorescent Microscope



Confocal Fluorescent Microscope



- (1) Excitation light source
- (2) Excitation Pinhole
- (3) Dichroic Mirror
- (4) Objective
- (5) Specimen
- (6) Out of focus plane

- (7) Confocal plane
- (8) Fluorescence detector
- (9) Emission Pinhole
- Excitation light
- In-focus emission light
- Out of focus emission light

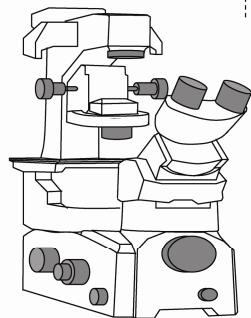


Figure 8.4. Wide-field fluorescence microscope vs. confocal fluorescence microscope. Redrawn from the patent by Marvin Minsky (1957). An example of a modern LSCM system is also shown (bottom right).