

FluoZoom

Zoom Fluorescence Microscope and Macroscope

The **FluoZoom** is a powerful fluorescence zoom microscope. It can be configured in a modular way. The system is available at a much lower cost than a traditional microscope.

Fluorescence Filter

One filter block including excitation and emission filter can be integrated. The filters are available either hard coated - for long integration applications or normal coated - for short excitations.

Light source

Different remote light sources are available. Depending on the application Xenon, LED or Halogen light sources can be chosen.

Camera

Different sensitive cameras which are suitable for long time integration can be used. The resolution of the cameras is 1,4 MPixel, 2,0 MPixel or 3,3 MPixel. There are Peltier cooled cameras as well as uncooled cameras available.

Stand

The stand has a precision focus drive. The color of the ground plate is either black or creme. The dimensions of the ground plate is 280x220 mm. Other dimensions are available. Transmitted light can be used as well. An x-y table may be manually driven or motorized.

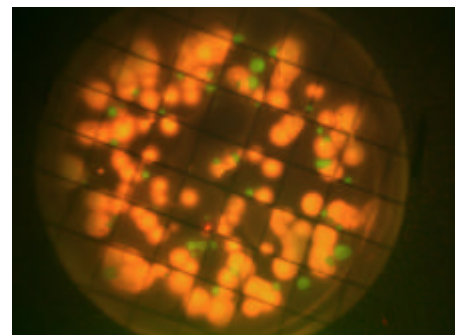
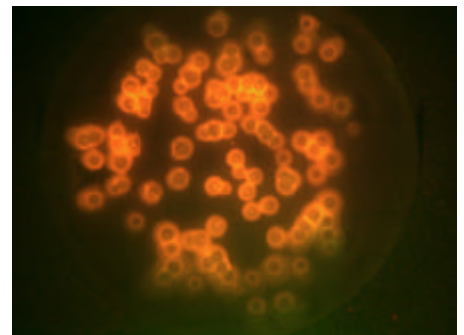
Software

The following software is available:

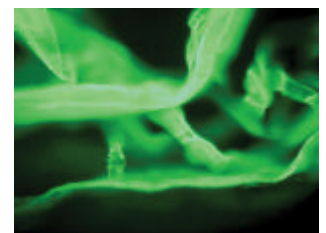
Image measurement, Image analysis (cell counting, % fractions of area), 2D extend focus, 3D surface construction and measurement, individual software can be programmed.

Technical Data

The Field of View (FOV) may vary between 25 mm and 0,2 mm depending on the objectives used. The standard zoom of the FluoZoom is 7:1. Fixed magnification systems are available as well.



Preparation: vermicon AG, München



Preparation: Klughammer Bio GmbH