

Leica IM8 microscope with deconvolution software

An ideal microscope to document cell cultures and tissue sections. The deconvolution software allows to reduce background in your samples and enhances the signal. The result is a much more detailed and sharper image. We also use deconvolution of confocal images to resolve very small, subcellular structures (about $250\mu\text{m}$).

- for fixed or live samples.
- Equipped with Epifluorescence and transmitted light
- Different contrast methods (Differential interference contrast, Polarisation) enable better resolution of small subcellular structures
- Equipped with motorized Z-stage to collect different virtual slices/ Z-levels through thick samples. After deconvolution collected Z-levels can be 3D reconstructed
- Equipped with time lapse collection
- One camera which can be switched between normal RGB mode (colour images) and cooled mode (collecting weak fluorescent signals)
- Highest magnification 630x

