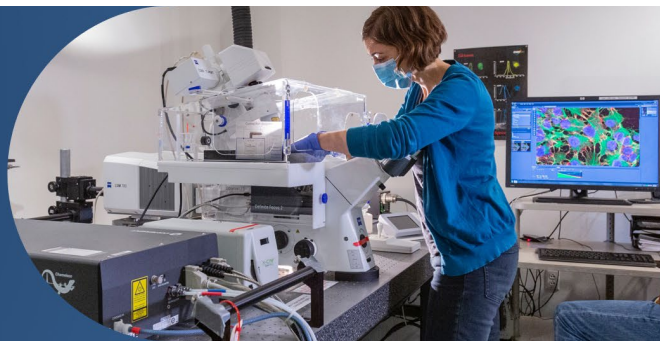


Cellular Imaging

Research Administration
Seattle, WA • 501(c)(3) Nonprofit



Fred Hutch's Shared Resources are catalysts for lifesaving discoveries. This uniquely centralized program of 15 specialized core facilities and scientific services drives advances by integrating dedicated experts and cutting-edge technologies across the entire research pipeline, from basic science to clinical trial.

Nikon Ni-U Widefield

Widefield upright microscope

Excitation sources

- Excitation LEDs: 385, 475, 550, 621 nm
- Brightfield halogen lamp

Objectives

- 4x/0.2 (air)
- 10x/0.45 (air)
- 20x/0.75 (air)
- 40x/0.75 **Phase** (air)
- 60x/1.4 (oil)
- 100x/1.45 **Phase** (oil)

Cameras

- Photometrics Prime BSI Express sCMOS, monochrome camera
- Nikon DS-Fi3 color camera

Capabilities

- DIC, phase-contrast, polarization, brightfield, and RGB color imaging
- Widefield 4-color fluorescence imaging
- Manual tile stitching acquisition

Recommended uses

- Fixed sample fluorescence imaging
- Colocalization studies
- Histological slide imaging

General information

The Nikon Eclipse Ni-U is an upright widefield microscope. It is suited for imaging fixed samples mounted on a microscope slide and can be used to screen samples before using other microscopes. The Ni-U excites the standard blue, green, red, and far-red fluorophores. It is also equipped with a color camera to acquire images of histological samples. It is configured to be an intuitive, user-friendly microscope.

LEARN MORE

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