

PENN VET IMAGING CORE FACILITY

NIKON SMZ1000 ZOOM STEREO MICROSCOPE

Location: Hill Pavilion (the microscope can be placed in various rooms as needed)

Applications:

- Microdissection
- Photography of small opaque objects

Microscope Stand: C-DSD enhanced OCC (oblique coherent contrast) stand

Illumination:

- Trans-illumination from below built into microscope base, adjustable for direct or oblique illumination
- Epi-illumination via ring light attachment

Magnifications:

- 1x Plan Apo WD70 objective lens
- 0.8x to 8x adjustable zoom magnification
- 10x ocular magnification

Camera: The Nikon Digital Sight DS-Fi1 color camera attached to the core's Nikon E600 widefield microscope can be temporarily moved to the camera mount on this microscope for image acquisition

