F1-CIS

Automated
Cell Imaging System
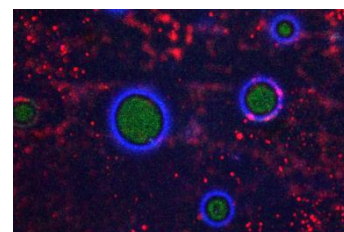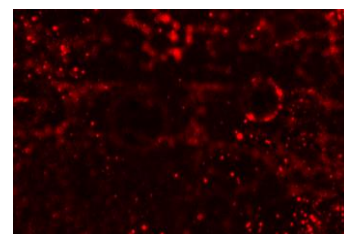
NANOSCOPE
SYSTEMS

DMB with operation PC & Monitor
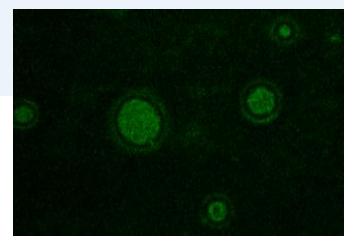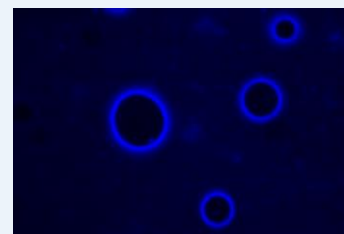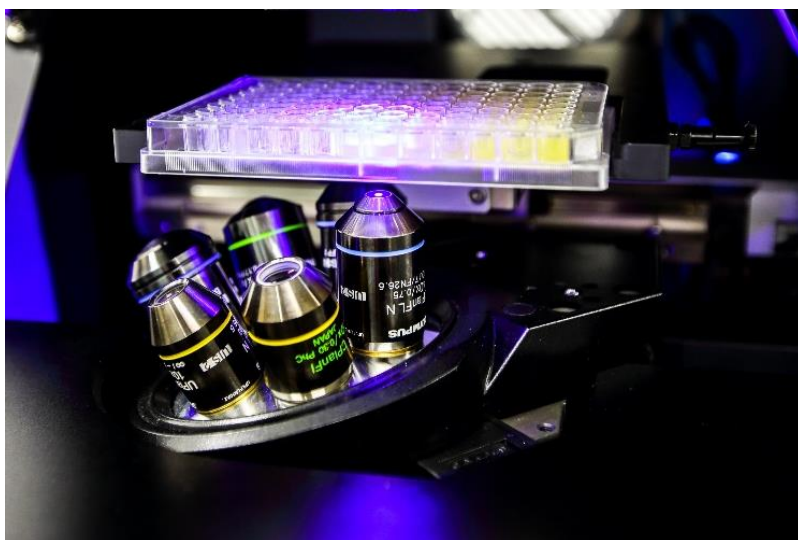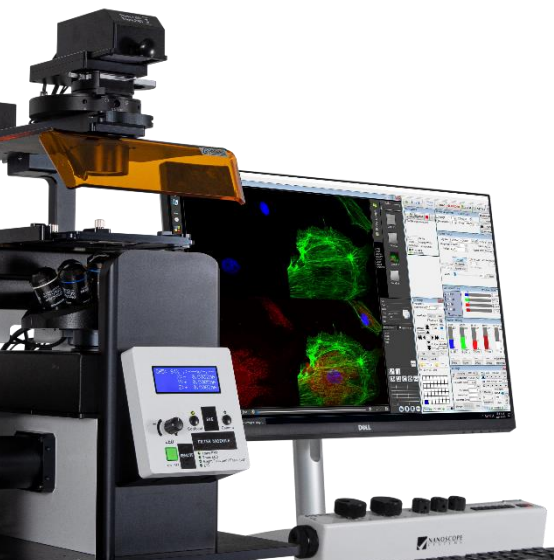
Features and Benefits

- Inverted fluorescence microscope
- 5 color fluorescence imaging
- DIC(differential interference contrast) imaging
- Phase contrast imaging
- Bright field imaging
- Observation through eyepieces
- Automated X, Y, Z stages
- Automated objective lens changer
- Automated filter changer
- Slide glass, Well plate, Petri dish compatible
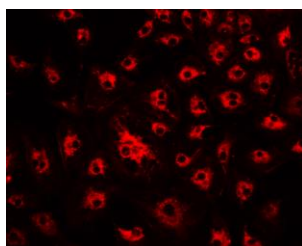
Automated Well Plate Scanning

- Image stitching for large area
- Automatic well plates imaging
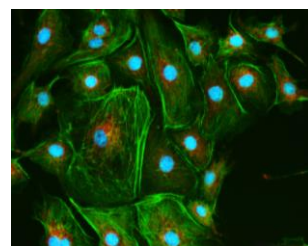- For standard well plate (96, 384, etc. well)
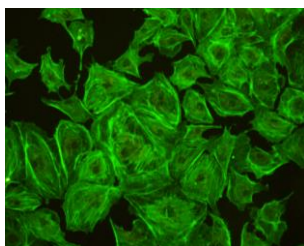
Cell, DAPI	Cell, GFP	Cell, Cy5	Cell, Merge

Specifications

Automated functions	Well plate scanning / Z-stack / Time lapse Multi-point stitching / Full focus stitching Auto focus (Image based)
Supported labware	Slide glass, Well plate (6 to 384 wells), Petri dish, etc.
Imaging method	Fluorescence, Bright-field, Phase contrast, DIC, Transmission
Filter Cube	DAPI, GFP, RFP, CY5, CFP, YFP, Cy7, TRITC, etc. Custom filters available
Objective lens	1.25X - 100X (Olympus high-grade lens)
Excitation source	High power LED with brightness control
Camera	5M pixels Scientific-grade color camera Or any other standard CCD camera
Image output	2448x2048 pixels (5M pixels Scientific-grade color image) 24-bit color Tiff, PNG, or JPG Video: MP4
Motorized hardware	XY stage (115x75 mm, Covering full range of well plates) Focus Z stage (15 mm) Filter changer (4 fluorescence and bright-field) Objective lens revolving nosepiece (6 positons) Jog dial stage/nosepiece control interface
Computer / Monitor	External PC / 27" monitor
Power	100-240 VAC, 150 W, 50/60 Hz