

Technical specifications

Instrument type:	Benchtop device for imaging cells
Instrument dimensions:	15.9" (W) x 21.1" (H) x 13.9" (D) 40.4 cm (W) x 53.6 cm (H) x 35.3 cm (D)
Weight:	26 lb (11.8 kg)
Operating power:	100–240 VAC
Frequency:	50–60 Hz
Electrical input:	5 V DC, 4.15 A
Operating temperature:	4–32°C
Operating humidity:	<90% (noncondensing)
Output ports:	4 USB
Limit of resolution:	0.5 µm
Objective:	20x plan fluorite; numerical aperture (NA) 0.45; working distance (WD) 5.9 mm
Overall magnification:	460x (optical) to 1,840x (with digital zoom)
Display:	15-inch color; adjustable tilt
Display resolution:	1,366 x 768 pixels
Image resolution:	1,296 x 964 pixels
Software:	FLoid™ Cell Imaging Station Software www.lifetechnologies.com/floid
Supplied USB drive:	2 GB
Contrast methods:	Fluorescence and transmitted light (relief phase)
Color channels:	4 channels (relief phase, blue fluorescence, green fluorescence, red fluorescence)
Illumination:	LED (50,000-hour life), adjustable intensity
Excitation:	Blue channel: 390/40 nm Green channel: 482/18 nm Red channel: 586/15 nm
Emission:	Blue channel: 446/33 nm Green channel: 532/59 nm Red channel: 646/68 nm
Stage-to-condenser distance:	60 mm
Stage:	Range of motion, 4 mm in X & Y dimensions
Camera:	Sony 1.3MP 1/3" ICX445 EXview HAD CCD
Image file types:	16-bit monochrome TIFF, JPEG, BMP, or PNG; 1,296 x 964 pixels
Languages:	English, Spanish, German, French, Italian, Japanese, Chinese

Ordering information

Product	Quantity	Cat. No.
FLoid™ Cell Imaging Station	1 unit	4471136
Includes keyboard, mouse, and USB drive		
FLoid™ Printer	1 unit	4472351
FLoid™ Printer Ink and Labels	1 unit	4472389

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Yes. The new FLoid™ Cell Imaging Station is that simple.

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Go from sample to high-quality image in just a few clicks



Meet FLoid™—the new cell imaging station that's easy to love.

Test-drive the user interface of the FLoid™ Cell Imaging Station at www.lifetechnologies.com/floid

Designed in collaboration with fluorescence microscopy users, the FLoid™ Cell Imaging Station captures high-quality, three-color fluorescent cell images right at your benchtop, with an interface so simple that even novice users can collect data in just a few clicks of the mouse.

- **Simple**—collect images in no time with an intuitive user interface
- **Practical**—print cell images and place them in your notebook
- **Accessible**—capture fluorescent cell images at your bench, not in the darkroom
- **Robust**—protect expensive confocal microscopes from excessive day-to-day use
- **Informative**—find the most popular Molecular Probes® reagents

Out of the dark and on your bench

Bringing fluorescence microscopy out of the darkroom, the FLoid™ Cell Imaging Station is designed to give quick access to fluorescent cell images right at your bench.

- Collect multicolor fluorescent images in less than a minute
- Design blocks ambient light, enabling imaging at your bench
- Open stage accommodates slides, plates, or large culture flasks
- Built-in optical filters so your settings will always be there for you
- High-quality 20x fluorite objective lens for sensitive detection
- Direct printing on paper that can be placed right in your notebook
- Front-facing USB port for hassle-free saving of files
- Highly intuitive and icon-based interface for simplified imaging
- Reagent selection and protocols for 160 validated dyes and probes

No experience necessary

The user interface was designed to allow even the most novice user to collect high-quality fluorescent cell images in a matter of minutes.

User interface

