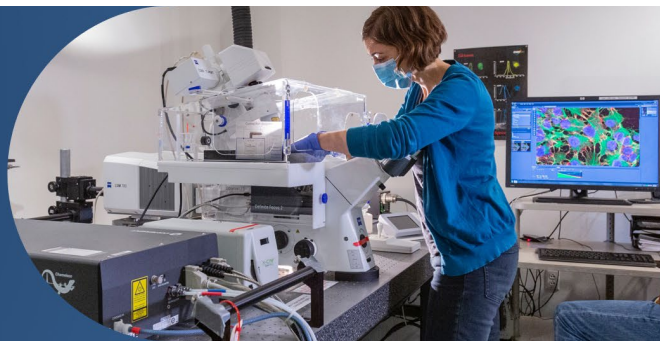


Cellular Imaging

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.

Typhoon 5 Biomolecular Imager

Multimode scientific scanner for fluorescence, chemiluminescence and radioactivity (phosphor screen imager) detection

Location

- Thomas Building, DE-341

Excitation sources

- Lasers: 488, 532, 635, 685, 785 nm

Emission filters

- 525 BP20, 515LP, 570 BP20, 550LP, 670 BP30, 660LP, 720 BP20, 825 BP30

Detectors

- Multi-alkali PMT (fluorescence) or Bi-alkali PMT (phosphor)

Capabilities

- Fluorescence
- Chemiluminescence
- Imaging phosphor screens (radioactivity)

Recommended uses

- Imaging and quantitation of radioactivity, fluorescence and chemiluminescence
- Gel and blot imaging
- Fluorescence multi-well plate imaging, an alternative to a plate reader

General information

The Typhoon is a versatile instrument for imaging fluorescence imaging of green, red, and far-red dyes as well as radioactive samples using phosphor screen technology. Imaging of chemiluminescent samples is also possible. The instrument has a glass stage for holding gels, blots, and phosphor screens. An alternate titer plate stage can hold up to 9 multi-well plates. Resolution of images can be selected with pixel sizes between 25-200 microns. Images can be analyzed and quantified with ImageQuantTL or with the public-domain ImageJ software package. A multi-user ImageQuantTL license is available for data analysis. Shared phosphor screens and cassettes are available for loan to assist with imaging radioactive samples. Tritium imaging screens are available upon request.

LEARN MORE

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Gel and blot scanner use

Scanners are primarily used on a first-come, first-served basis using iLab walkup sessions. If you need the instrument for more than 30 minutes, please make an iLab reservation so that others will know its availability.