

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.

Li-Cor Odyssey Near-Infrared Scanner

Scientific fluorescence scanner for gel and blot imaging

Location and use

- Instrument A — Thomas Building, DE-341
- Instrument B — Weintraub A1-182
- Used on a first-come, first-serve basis. Please book if you will need the instrument for more than 30 minutes so other users know its availability.

Excitation sources

- Lasers

Detection channels

- 680nm
- 800nm

Capabilities

- Low-resolution fluorescent images of large-volume objection

Recommended uses

- Western blot analysis, In-Cell Westerns, Protein and DNA detection in blots and gels
- Whole tissue and small animal fluorescence analysis

General information

The Li-Cor Odyssey system is a sensitive far-red/near-infrared two-color fluorescence scanner for the imaging and quantitation of gels, blots, 96-well plates and a variety of other applications, including tissues and whole animals.

The instrument is especially well-suited for two-color western blot assays, where it provides a convenient, economic, sensitive and more-quantitative alternative to chemiluminescence. Data analysis can be performed with ImageStudio software (available upon request) or with public-domain software such as ImageJ. The instrument's detection channels are suitable for fluorescent dyes including Cy5.5 (not ideal), Alexa 680, Alexa 700, IRDye 680 and IRDye 700 for the 680 nm channel; and Alexa 790, IRDye 800 and similar for the 800 nm channel.

Gel and blot scanners

Scanners are used on a first-come, first-serve basis. Please book if you will need the instrument for more than 30 minutes so that other users know its availability. If you want Cellular Imaging staff to scan your gel, please submit a request.

LEARN MORE

Cellular Imaging Core
206.667.4205
imaging@fredhutch.org

