

# Imaging Station and Plate Reader Core

**Location:** VA Medical Center 70-C-106

**Primary Contact:**

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[Brown Bear Calendar Website](#)

## Overview

The Imaging Station-Plate Reader Core offers quantitative imaging of luminescent, fluorescent and colorimetric labeled biomolecules in a variety of assay formats including electrophoresis gels, gel blots, plates, tissues and in-vivo assays. Users must be trained prior to instrument use and software is available for remote analysis of imaging files. Use of the Imaging Station-Plate Reader Core is on a collaborative basis with utilizing online calendars for scheduling.

## Technology & Resources

Imaging Stations for white light photography; Chemiluminescence detection (Western blots); UV Illumination (Ethidium Bromide gels, Fluorescent dye labels):

- Carestream Health IS4000
- Aplegen OmegaLum G

Plate Readers for reading 384, 96, 12 and 6 well formats:

- PowerWave XS: Variable wavelength UV/VIS detection
- Synergy 4: Fluorescent and Luminescent detection

Equipment/Software	Accessibility
Carestream Health IS4000 Imaging Station	Use is available only after training
Aplegen OmegaLum G Imaging Station	Use is available only after training
PowerWave XS: Variable wavelength UV/VIS detection plate reader	Use is available only after training
Synergy 4: Fluorescent and Luminescent detection plate reader	Use is available only after training

**Hours:** fully accessible to any researcher at the VA.

**Common users of the facility:** Rheumatology, Urology, Nephrology, Neuroscience

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