

Immune Monitoring

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Shared Resource: [Immune Monitoring](#)

Location: Steam Plant Building, S5-101

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Hidex Sense

The Hidex Sense is a scintillation and luminescence counter from Hidex that reads 96-well plates. It is commonly used for the ³H-thymidine incorporation lymphoproliferation assay and chromium-51 release assay. It can also read luminescence for many reporter-assay systems.

Equipment in the Immune Monitoring shared resource is open to all investigators. Operation training and on-site assistance are provided. Usage is on first-come, first-served basis and no reservation is currently required. Please contact the core to schedule training.

Detection limits

- Fluorometry top < 0.010 fmol / 384 well
- Fluorometry bottom < 0.05 fmol / 384 well
- Photometry spectral range 220 nm – 1000 nm (spectral readout)
- Luminescence (glow) < 20 amol ATP / 96 well (Glow)
- Time-resolved fluorescence < 0.25 amol Eu / 384 well
- Fluorescence polarization < 1 mP SD / 96 well
- Plate types 1 – 1536-well shaking linear, orbital, double orbital, with adjustable intensity temperature control ambient +2°C to 65°C