FRED HUTCH

Immune Monitoring

FRED HUTCHINSON CANCER RESEARCH CENTER
SEATTLE, WA • 501(C)(3) NONPROFIT

Shared Resource: Immune Monitoring
Location: Steam Plant Building, S5-101
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BioTek Synergy H4 Hybrid Reader

Synergy H4 with Hybrid Technology is a multi-mode detector for reading 96-well dishes. The reader has quadruple monochromator-based optics and filters which provide flexibility in usage. Any wavelength can be selected by users from low-UV to near-infrared. Detection methods include fluorescence, time-resolved fluorescence, fluorescence polarization, AlphaScreen/AlphaLISA, luminescence and UV-visible absorbance. Read methods include endpoint, kinetic, spectral scanning and well-area scanning. It can read various plate formats, from six-well to 384-well plates.

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

Specifications

Excitation Wavelength Range	200 to 700 nm
Interface	Bidirectional RS-232
Voltage	100-240 V
Dynamic Range	0 to 99,999 (fluorescence, luminescence); 0 to 4.0 O.D. (absorbance)
Emission Wavelength Range	300 to 700 nm (800 nm with red extended option)
Hertz	50/60 Hz
Light Source	Tungsten halogen and xenon flash
Sensitivity	2.5 pg/mL SF; typical