

Proteomics Facility

Synergy H1 Multi-Mode Plate Reader



Synergy™ H1 is a flexible Monochromator-based multi-mode microplate reader that can be turned into a high-performance patented Hybrid system with the addition of a filter-based optical module. This system supports top and bottom fluorescence intensity, UV-visible absorbance and high performance luminescence detection. The filter module is a completely independent add-on that includes its own light source, and a high performance dichroic-based wavelength selection system. The system has very high optical efficiency; this module supports advanced detection modes such as Fluorescence Polarization, Time-Resolved Fluorescence & TR-FRET and filtered luminescence (e.g. BRET). This system is also compatible with Take3™ Micro-Volume Plate in which samples down to 2 μL volume can be measured, especially useful when working with precious samples, for fast and accurate DNA/RNA quantification at 260 nm.