

**Instrument**  
Microplate Reader

**Model / Number**  
Synergy 2 SLFA

**Manufacturer**  
BioTek

**Location**  
Life Science 250F



**Instrument Description**

Multi-detection microplate reader. 800 wavelength monochromator (200nm-999nm), 1nm increments, scanning. 0-4.0 OD. Bottom reading for PCR plates. Xenon flash/monochromator dedicate light source/silicon photodiode detectors. Fluorescence emission filters: 360/40, 485/20, 530/25, 540/35; Excitation filters: 460/40, 528/20, 590/35. Fluorescence intensity Top/Bottom. Dedicated tungsten-Halogen light source. 300-700nm(Tung)/200-700nm(Xenon). Dynamic range 0-99,999RFU. Sensitivity 1pM 96-382 well. Luminescence 300-700nm, range to 6,500,000RLU. Temp control to 50C. Shaking. Plate formats from 6-1536 wells and PCR plt (Lum to 384). Reads 96 wells in 11 sec, 384 wells in 22 sec and 1536 wells in 42 sec. Gen5 Data analysis software-automatic transfer to Excel. Additional modules can be added.

**User Charges**  
Not applicable

**User Information**

User must have key card access to Life Science 250. User must be trained to use this equipment. The user is responsible for cleaning and performing any per use maintenance, and providing any disposable supplies required for operation. Do not touch fluorescence filters with fingers. Use gloves and ask for assistance if you are unfamiliar with changing filters. Any damage caused by the user is the responsibility of the user to repair or replace. Files can be saved in Excel. The dedicated computer is connected to the internet for file transfer. Please do not store large files on the computer.