



Biotek Synergy Neo 2 Plate Reader Configuration for ValitaTiter

| Parameter | Instrument Settings |
|-----------------------------------|--|
| Plate type | 96-well: Corning/Costar 96-well Half Area Black Flat Bottom, #3694 384 well: Corning/Costar 384-well Black Flat Bottom, #3573 |
| Mode | Fluorescence Polarisation, Dual PMT |
| Filter Cube | Dual FP Green Cube (#61): EX 485/20, EM 528/20, DM510 Additional upper cube (#4) also required |
| Read Speed | Normal |
| Delay after plate movement | 0 msec |
| Measurement per data point | ≥ 100 |
| Gain | Options > automatic adjustment using most fluorescent well [0mg/L] |
| Read Height | Options > automatic adjustment using most fluorescent well [0mg/L] |
| Dynamic Range | 'Standard' (0 to 99,999); If "Overflow" output chose 'Extended' (0 to 9,999,999) |
| Lamp Energy | Low (faster) |
| G-Factor | N/A |
| Blank correction | None; 0mg/L standard should be labelled as standard and not blank |