



Perkin Elmer Envision (Xcite) Microplate Reader Configuration for ValitaTiter

Parameter	Instrument Settings	
Product	ValitaTiter (#VAL003 / VAL013)	ValitaTiter Plus (#VAL004 / VAL014)
Plate type	<u>96-well</u> : Corning/Costar 96-well Half Area Black Flat Bottom, #3694 <u>384 well</u> : Corning/Costar 384-well Black Flat Bottom, #3573 Plate Dimension optimization recommend on first measurement to ensure highest accuracy	
Mode	Fluorescence Polarisation	
Mirror	FITC FP Single	
Excitation	FITC FP 480	
Emission	<u>Perpendicular</u> : FITC FP P-pol 535 <u>Parallel</u> : FITC FP S-pol 535	
Measurement height	Optimised using most fluorescent well [0mg/L]	
Detector Gain	Optimised using most fluorescent well [0mg/L]; Target mP = 70mP If either gain <150, manually reduce Excitation Light %	Optimised using most fluorescent well [0mg/L]; Target mP = 70mP If either gain <150, manually reduce Excitation Light % If gains still too low after reducing Excitation Light %, "cross hair aperture" required
G-Factor	Optimised using most fluorescent well [0mg/L]	Optimised using most fluorescent well [0mg/L]
Number of flashes	>100	
Blank correction	None; 0mg/L standard should be labelled as standard and not blank	

Note: All optimizations can be accessed through "Assay Start Wizard"