



## Perkin Elmer Envision (HTS) Microplate Reader Configuration for ValitaTiter

Parameter	Instrument Settings	
Product	ValitaTiter (#VAL003 / VAL013)	ValitaTiter Plus (#VAL004 / VAL014)
<b>Plate type</b>	<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	
<b>Mode</b>	Fluorescence Polarisation	
<b>Mirror</b>	FITC FP Dual	
<b>Excitation</b>	FITC FP 480	
<b>Emission</b>	<u>Perpendicular</u> : FITC FP P-pol 535 <u>Parallel</u> : FITC FP S-pol 535	
<b>Measurement height</b>	Optimised using most fluorescent well [0mg/L]	
<b>Detector Gain</b>	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
<b>G-Factor</b>	Optimised using most fluorescent well [0mg/L]	Optimised using most fluorescent well [0mg/L]
<b>Number of flashes</b>	>100	
<b>Blank correction</b>	None; 0mg/L standard should be labelled as standard and not blank	

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