ValitaCell
Analytics Reimagined

Tecan Spark Microplate Reader
Configuration for Valita®Titer

Parameter	Instrument Settings	
Product	**Valita®Titer (#VAL003 / VAL013)**	**Valita®Titer Plus (#VAL004 / VAL014)**
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 Polarization	
Excitation	Filter	Monochromator (optimum) or filter
Excitation Wavelength	485nm	485nm
Excitation bandwidth	20nm	20nm
Emission	Filter	Monochromator (optimum) or filter
Emission Wavelength	535nm	535nm
Emission bandwidth	20nm	20nm
Flash Number	>/= 100	200
Integration	40µs	
Blank correction	None; 0mg/L standard should be labelled as standard and not blank	
Gain	Optimised using most fluorescent well [0mg/L]	
RFU (%)	70%	
Z position	Optimised using most fluorescent well [0mg/L]	
Mirror	Dichroic 510nm	Dichroic 510nm: 50% Mirror
G-Factor	Manual: 1. If G-factor optimization is required, follow the instructions for Valita®TITER Plus (#VAL004).	Optimisation of G-factor required. Measure a blank well [120 µL of media in a Corning/Costar 96-well Half Area Black Flat Bottom, #3694] and a reference well [120 µL of media in Valita®TITER plate]. If a plate "Corning/Costar 96-well Half Area Black Flat Bottom, #3694" is not available Valita®TITER probe can be removed from Valita®TITER plate following the below procedure: • Add 200 µl of fresh media in a Valita®TITER plate well. • Mix it well with a pipette; • Incubate at room temperature for 30-minutes; • Mix it well with a pipette; • Wash with PBS (x3). Avoid shaking and/or 37ºC incubation to avoid damaging the rest of the plate.