TECAN Spark Plate Reader
Configuration for Valita®Titer

Parameter	Instrument Settings	
Product	**Valita®Titer (#VAL003)**	**Valita®Titer Plus (#VAL004)**
Plate type	Corning/Costar 96-well Half Area Black Flat Bottom, #3694	
Mode	Fluorescence Polarization	Fluorescence Polarization
Excitation	Filter	Monochromator [optimum]; filter
Excitation Wavelength	485nm	485nm
Excitation bandwidth	20nm	20nm
Emission	Filter	Monochromator [optimum]; filter
Emission Wavelength	535nm	535nm
Emission bandwidth	20nm	5-20nm
Flash Number	>/= 100	200
Integration	40µs	40µs
Gain	Optimised using most fluorescent well [0mg/L]	Optimised using most fluorescent well [0mg/L]
Blank	Not defined	Not defined
RFU [%]	70	70
Z position	Optimised using most fluorescent well [0mg/L]	Optimised using most fluorescent well [0mg/L]
Mirror	Dichroic 510	Dichroic 510; 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.