

pHSense readout for Pherastar (PLUS, FS, FSX)

HTRF™ certified BMG plate readers are equipped with a specific optical device which enables the measurement of 620nm Europium emission.

pHSense™ readout can be achieved by HTRF certified BMG plate readers after the installation of the HTRF dedicated optical block which includes the optimized excitation and emission filters, the dichroic mirror and the beam splitter. The measurement conditions should then be set up in the instrument software according to the following indications:

Setup		
Optic module	HTRF 337/620/665 Ref.: 906D1	
Measurement mode	Standard	
Measurement from	Top	
Optimal z-pos (focal height)	Must be adjusted (volume- and plate-dependent)	
Integration delay (lag time)	1000 µs	
Integration time	400 µs	
Energy source	Lamp	Laser
Number of flashes	100	20 (up to 40)
Comments	Not suitable for kinetic measurements. End-point readout only.	Suitable for end-point and kinetic measurements.

The pHSense assay operates with a single 620nm detection mode. Please ignore the 665nm data.