



Luminometers: SPARCL™ Compatibility

Company	Luminometer Model	Website	Comments
BMG Labtech	PHERASTAR	www.bmglabtech.com	SPARCL Compatible
	CLARIOstar		SPARCL Compatible
	FLUOstar Omega		SPARCL Compatible
	Lumistar Omega		SPARCL Compatible
Molecular Devices	Lmax	www.moleculardevices.com	No longer supported
	SpectraMax L		SPARCL Compatible
	I3		Incompatible
	M5		Incompatible
Biotek	Synergy Series	www.biotek.com	Incompatible
Perkin Elmer	Inspire	www.perkinelmer.com	Untested
	Victor 3		Untested
	Envision		Untested
Berthold	Mithras	www.berthold.com	SPARCL Compatible
	Centro		SPARCL Compatible
	TriStar		SPARCL Compatible
	Sirius-L (tube luminometer)		SPARCL Compatible
Tecan	M500 Pro	www.tecan.com	Suboptimal
	M1000 Pro		Incompatible
ThermoFisher	VarioSkan Lux	www.thermofisher.com	SPARCL Compatible

Please contact us regarding your luminometer before purchasing SPARCL™ kits. We will help you decide if your luminometer is SPARCL™ compatible. SPARCL™ assays are flash luminescence based. For microplate assays the luminometer must have an injector (pump) capable of delivering the trigger solution. For single tube assays, the luminometer (Berthold Sirius-L) must have two injectors, one for background reducer, the other for trigger solution. The SPARCL™ flash of light peaks as soon as 0.15 seconds after injection of trigger solution. Many luminometers are engineered with a delay between injection and the ability of the optics to capture the emitted light. Luminometers must be able to measure emitted light at the time of trigger injection without delay. This table is not an endorsement of any luminometer or company.