

Asante Calcium Red Dye Characteristic Comparison

	Ratiometric mode			Non-ratiometric mode		
	Asante Calcium Red	Fura-2	Indo-1	Fluo	Rhod	Asante Calcium Red
Excitation	Argon 488 nm	340/380 nm UV	346 nm UV	Argon 488 nm	550 nm	540 nm
Emission	525 nm/ 650 nm (Red)	505 nm (Green)	405/475 nm	500-550 nm (Green)	578 nm	650 nm (Red)
Ratiometry	Dual emission ratio	Dual excitation ratio	Dual emission ratio	non-ratiometric enhancement		
Stokes Shift	large	large	large	small	small	large
Photo-bleaching	normal	normal	high	normal	normal	normal
loading	easy	easy	easy	easy	difficult	easy