

LSR Fortessa



The LSR Fortessa offers 5 lasers and is able to detect up to 18 parameters (fluorochromes) at the same time!

Technical Highlights	
Lasers	355 nm, 20 mW laser power 405 nm solid state diode, 50 mW laser power 488 nm solid state, 50 mW laser power 561 nm, 640 nm , 40 mW laser power
Flow cell	180 x 430µm rectangular quartz flow cell
FSC Detector	Photodiode detector with a 488/10 bandpass filter
SSC Detector	Photomultiplier tube with a 488/10 bandpas filter
Maximum sample acquisition Rate	15,000 events per second
Parameters	Area (A), Width (W), Height (H) for all channels with up to two ratios and Time (T)
Compensation	Full inter-beam matrix during or post acquisition
Software	BD FACS Diva™ Software v.8.0.1

Konfiguration: Blue-2 Red-3 Violet-7 UV-2 YG-4 Filter

Detector Array	Laser	Parameter	PMT-Position	BP-Filter	LP-Filter	Designation of Channel
Trigon	355 nm -UV-	1	A	740/35	690 LP	UV1 740/35
		2	B	379/28		UV2 380/14
Octagon	405 nm -violett-	3	A	780/60	750 LP	V1 780/60
		4	B	710/50	670 LP	V2 710/40
		5	C	675/50	635 LP	V3 675/50
		6	D	610/20	600 LP	V4 610/20
		7	E	586/15	570 LP	V5 586/15
		8	F	525/50	505 LP	V6 525/50
		9	G	450/50		V7 450/50
Octagon	488 nm -blue-	10	A	710/50	685 LP	B1 710/50
		11	B	530/30	505 LP	B2 530/30
		SSC	C	488/10		SSC
Octagon	561 nm -yellow-green-	12	A	780/60	750 LP	YG1 780/60
		13	B	670/30	630 LP	YG2 670/30
		14	C	610/20	600 LP	YG3 610/20
		15	D	586/15		YG4 586/15
Trigon	633 nm -red-	16	A	780/60	750 LP	R1 780/60
		17	B	730/45	690 LP	R2 730/45
		18	C	670/14		R3 670/14

A photodiode is used to detect the FSC signal!