

LSRII SORP (2007) Configuration

Detector Array (Laser)	PMT (Detector)	Longpass Dichroic Mirror	Bandpass Filter	Fluorochrome
Blue Laser 488nm	A	685LP	695/40	PerCP/Per-CPCy5.5/PerCP-efluor710/7AAD optim
50mw	B	505LP	525/50	FITC/Alexa488/GFP/YFP
	C		488/10	SSC

Green Laser 532nm	A	755LP	780/60	Pe-Cy7
150mw	B	685LP	710/50	PECy5.5/PE-Alexa700
	C	635LP	660/40	PeCy5/7AAD/mitotracker red
	D	595LP	610/20	PETxRd/cell tracker red/Pe-efluor610/Alexa568/mCherry/RF P/Alexa594/Dil
	E		575/26	PE/cell tracker orange/PI/DSRED/Alexa55/mTomato

Red Laser 640nm	A	755LP	780/60	APC-Cy7/APC-Alexa750/Alexa750/APC-efluor780/APC-vio770
40mw	B	685LP	710/50	Alexa700/APC-Cy5.5
	C		670/30	APC/APC-Cy5/Alexa633/APC-Alexa647/Alexa647/NucRed

Violet Laser 405nm	A	505LP	525/50	AmCyan/BV510/VioGreen/aqualive/dead/fixable508
50mw		585LP	585/42	Pacific Orange/Yellow Viability dye
	A	585LP	610/20	efluor605/efluor625
	B		450/50	Pacific Blue/DAPI/Alexa405/cell trace violet/V450/efluor450/CFP/BV421/VioBlue/BFP

CST Filter

LSRII (2003) Configuration-2013 upgrade				
Detector Array (Laser)	PMT (Detector)	Longpass Dichroic Mirror	Bandpass Filter	Fluorochrome
Blue Laser 488nm	A	685LP	695/40	Per-CPCy5.5/PECy5.5/PerCP-efluor710/FnaRed
50mw	B	505LP	525/50 530/30	FITC/Alexa488/GFP/YFP/2-NBOG/Fluor-3/Fluor-4
	C	550LP	488/10	SSC

Yellow-Green Laser 562nm	A	750LP	780/60	Pe-Cy7
100mw	B	635LP	670/30	PeCy5/7AAD/mitotracker red
	C	595LP	610/20	PETxRd/cell tracker red/Pe-efluor610red/Alexa568/mCherry/RFP/Alexa594/Dil
	D		585/15	PE/cell tracker orange/PI/DSRed/Alexa555/mTomato

Red Laser 640nm	A	735LP	780/60	APC-Cy7/APC-Alexa750
100mw	B		670/30	APC/APC-Cy5/Alexa633/APC-Alexa647/Alexa660/FarRedViability/DiD
	C	Blank	Blank	

UV Laser 355nm	A	505LP	530/30	Indo-1(blue)/Hoechst red
20mw	B		405/20	Indo-1(violet)/BUV395(379/28)
	B		440/40	DAPI/Alexa350/Hoechst blue/dye cycle violet
	C	Blank	Blank	

CST Filter