

BD FACSCorus S8 Imaging Cell Sorter
Specifications

Items				
Spectral Detectors	Excitation Laser	Detector no.	Filter Type	Wavelength(nm) / Bandwidth (nm)
	UV (349nm)	1	BP	375/20
		2	BP	392/14
		3	BP	420/20
		4	BP	440/20
		5	BP	459/18
		6	BP	476/16
		7	BP	501/16
		8	BP	517/16
		9	BP	532/16
		10	BP	547/16
		11	BP	574/16
		12	BP	590/16
		13	BP	607/18
		14	BP	625/18
		15	BP	655/20
		16	BP	675/20
		17	BP	698/26
		18	BP	724/26
		19	BP	752/30
		20	BP	782/30
		21	BP	812/30
		22	BP	844/34
	Violet (405nm)	1	BP	420/20
		2	BP	440/20
		3	BP	459/18
		4	BP	476/16
		5	BP	501/16
		6	BP	517/16
		7	BP	532/16
		8	BP	547/16
		9	BP	574/16
		10	BP	590/16
		11	BP	607/18

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		12	BP	625/18
		13	BP	655/20
		14	BP	675/20
		15	BP	698/26
		16	BP	724/26
		17	BP	752/30
		18	BP	782/30
		19	BP	812/30
		20	BP	844/34
	Blue (488nm)	1	BP	501/16
		2	BP	517/16
		3	BP	532/16
		4	BP	547/16
		5	BP	574/16
		6	BP	590/16
		7	BP	607/18
		8	BP	625/18
		9	BP	655/20
		10	BP	675/20
		11	BP	698/26
		12	BP	724/26
		13	BP	752/30
		14	BP	782/30
		15	BP	812/30
		16	BP	844/34
	Yellow-green (561nm)	1	BP	574/16
		2	BP	590/16
		3	BP	607/18
		4	BP	625/18
		5	BP	655/20
		6	BP	675/20
		7	BP	698/26
		8	BP	724/26
		9	BP	752/30
		10	BP	782/30
		11	BP	812/30

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		12	BP	844/34
	Red (637nm)	1	BP	655/20
		2	BP	675/20
		3	BP	698/26
		4	BP	724/26
		5	BP	752/30
		6	BP	782/30
		7	BP	812/30
		8	BP	844/34
Imaging Detectors	Excitation Laser	Detector no.	Filter Type	Wavelength(nm) / Bandwidth (nm)
	Blue (488nm)	1	BP	534/46
		2	BP	598/60
		3	BP	788/225
		Light Loss		
Image Features	<ol style="list-style-type: none"> 1. Correlation 2. Delta center of mass 3. Diffusivity 4. Eccentricity 5. Max. Intensity 6. Radial moment 7. Center of mass (X) 8. Center of mass (Y) 9. Forward scatter (FSC) 10. Light loss (blue) 11. Long moment 12. Short moment 13. Size 14. Side Scatter (SSC) 15. Total intensity 			
Other Available Parameters	FSC, SSC, Light Loss (Violet)			
Nozzle Size Options	85 um, 100 um and 130 um			
Sample Loading Tube	<ul style="list-style-type: none"> • 12x75 mm (5ml) tube holder 			
Sort Collection Device Options	<ul style="list-style-type: none"> • Six-way collection tube holder (1.5, 2.0 and 5.0mL) • Multi-well plate (6, 24, 48, 96, 96 PCR and 384 well) 			
Index Sort	Available			
Temperature Control	Available for both sample loading port (4°C, 22°C, 37°C, 42°C and off)			

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	and sort chamber (2°C to 50°C)
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