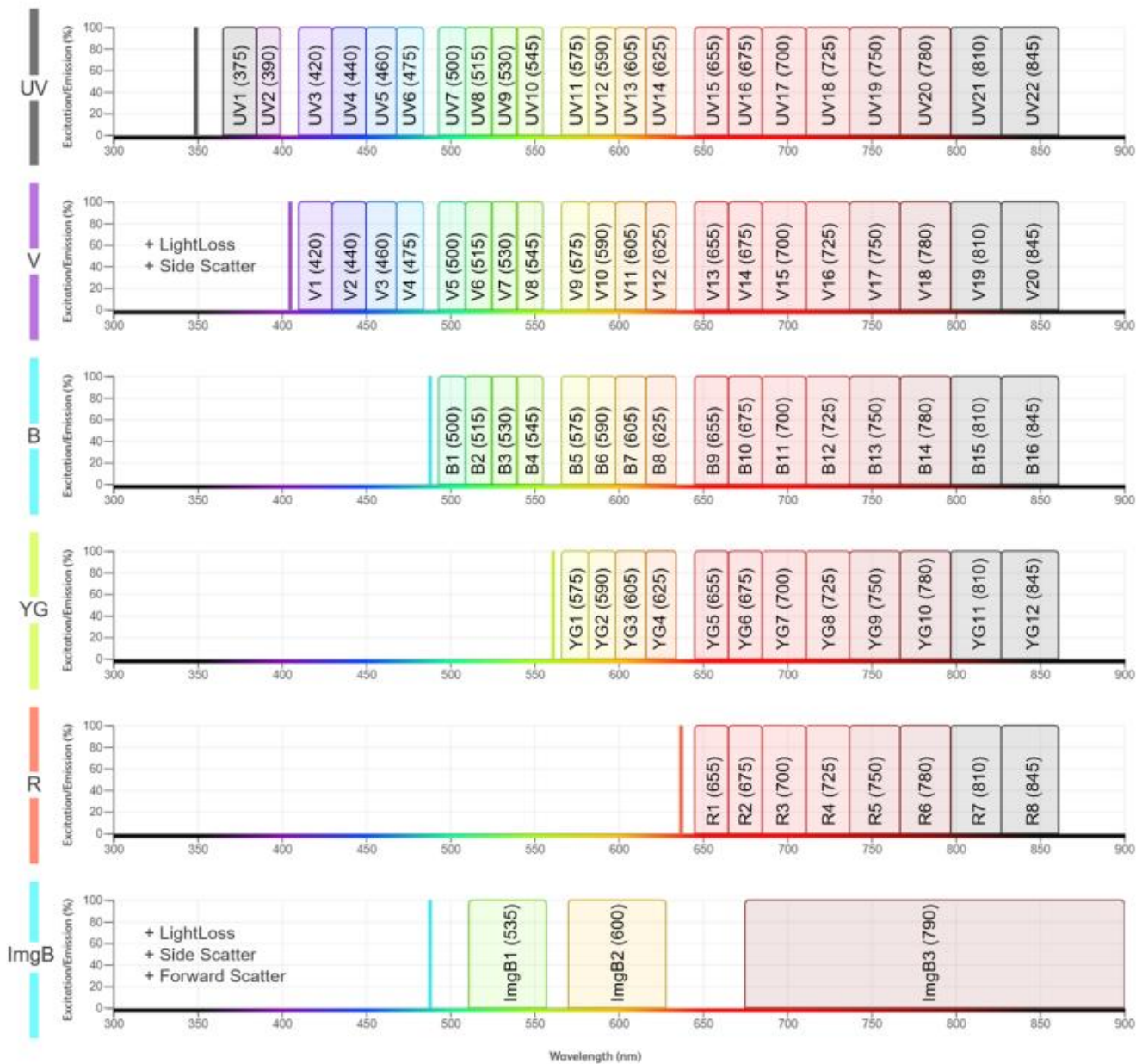


Graphical representation of the detector layout on the **BD FACSDiscover™ S8**



Detailed list of the detector bands in the spectral detector arrays of the **BD FACSDiscover™ S8**

Ultraviolet 349 nm / 30 mW	Violet 405 nm / 50 mW	Blue 488 nm / 50 mW	Yellow-Green 561 nm / 50 mW	Red 637 nm / 100 mW	Effective CWL (nm)	Effective BW (nm)
UV1 (375)	-	-	-	-	375	20
UV2 (390)	-	-	-	-	391	12.5
UV3 (420)	V1 (420)	-	-	-	420	20
UV4 (440)	V2 (440)	-	-	-	440	20
UV5 (460)	V3 (460)	-	-	-	459	18
UV6 (475)	V4 (475)	-	-	-	476	16
UV7 (500)	V5 (500)	B1 (500)	-	-	501	16
UV8 (515)	V6 (515)	B2 (515)	-	-	517	16
UV9 (530)	V7 (530)	B3 (530)	-	-	532	16
UV10 (545)	V8 (545)	B4 (545)	-	-	547	16
UV11 (575)	V9 (575)	B5 (575)	YG1 (575)	-	575	14
UV12 (590)	V10 (590)	B6 (590)	YG2 (590)	-	590	16
UV13 (605)	V11 (605)	B7 (605)	YG3 (605)	-	607	18
UV14 (625)	V12 (625)	B8 (625)	YG4 (625)	-	623	14
UV15 (655)	V13 (655)	B9 (655)	YG5 (655)	R1 (655)	655	20
UV16 (675)	V14 (675)	B10 (675)	YG6 (675)	R2 (675)	675	20
UV17 (700)	V15 (700)	B11 (700)	YG7 (700)	R3 (700)	698	26
UV18 (725)	V16 (725)	B12 (725)	YG8 (725)	R4 (725)	724	26
UV19 (750)	V17 (750)	B13 (750)	YG9 (750)	R5 (750)	752	30
UV20 (780)	V18 (780)	B14 (780)	YG10 (780)	R6 (780)	782	30
UV21 (810)	V19 (810)	B15 (810)	YG11 (810)	R7 (810)	812	30
UV22 (845)	V20 (845)	B16 (845)	YG12 (845)	R8 (845)	844	34

Detailed Configuration

The following table shows the default optical filter layout for the BD FACSDiscover™ S8 cell sorter:

Laser	Detector name	Band pass filter
Blue	B1 (500)	501/16
	B2 (515)	517/16
	B3 (530)	532/16
	B4 (545)	547/16
	B5 (575)	574/16
	B6 (590)	590/16
	B7 (605)	607/18
	B8 (625)	625/18
	B9 (655)	655/20
	B10 (675)	675/20
	B11 (700)	698/26
	B12 (725)	724/16
	B13 (750)	752/30
	B14 (780)	782/30
	B15 (810)	812/30
	B16 (845)	844/34

Laser	Detector name	Band pass filter
Imaging	FSC	N/A
	SSC (Imaging)	488/15
	Light Loss (Imaging)	488/5
	ImgB1 (535)	534/46
	ImgB2 (600)	600/60
	ImgB3 (790)	788/225
Red	R1 (655)	655/20
	R2 (675)	675/20
	R3 (700)	698/26
	R4 (725)	724/26
	R5 (750)	752/30
	R6 (780)	782/30
	R7 (810)	812/30
	R8 (845)	844/34

Laser	Detector name	Band pass filter
Yellow Green	YG1 (575)	574/16
	YG2 (590)	590/16
	YG3 (605)	607/18
	YG4 (625)	625/18
	YG5 (655)	655/20
	YG6 (675)	675/20
	YG7 (700)	698/26
	YG8 (725)	724/26
	YG9 (750)	752/30
	YG10 (780)	782/30
	YG11 (810)	812/30
	YG12 (845)	844/34

Laser	Detector name	Band pass filter
Ultraviolet	UV1 (375)	375/20
	UV2 (390)	392/14
	UV3 (420)	420/20
	UV4 (440)	440/20
	UV5 (460)	459/18
	UV6 (475)	476/18
	UV7 (500)	501/16
	UV8 (515)	517/16
	UV9 (530)	532/16
	UV10 (545)	547/16
	UV11 (575)	574/16
	UV12 (590)	590/16
	UV13 (605)	607/18
	UV14 (625)	625/18
	UV15 (655)	655/20
	UV16 (675)	675/20
	UV17 (700)	698/26
	UV18 (725)	724/26
	UV19 (750)	752/30
	UV20 (780)	782/30
	UV21 (810)	812/30
	UV22 (845)	844/24

Laser	Detector name	Band pass filter
Violet	SSC (Violet)	405/15
	Lightloss (Violet)	405/5
	V1 (420)	420/20
	V2 (440)	440/20
	V3 (460)	459/18
	V4 (475)	476/16
	V5 (500)	501/16
	V6 (515)	517/16
	V7 (530)	532/16
	V8 (545)	547/16
	V9 (575)	574/16
	V10 (590)	590/16
	V11 (605)	607/18
	V12 (625)	625/18
	V13 (655)	655/20
	V14 (675)	675/20
	V15 (700)	698/26
	V16 (725)	724/26
	V17 (750)	752/30
	V18 (780)	782/30
	V19 (810)	812/30
	V20 (845)	844/34