AriaIII 2025.9.1~

Laser	PMT	Mirror	Detector (nm)	Parameter name	Fluorochrome Options
Blue 488nm	A	655 LP	695/40	7-AAD	PE-Cy5.5, PI, PerCP-eFluor 710, RB705, 7-AAD
	B	502 LP	530/30	PerCP-Cy5-5 PerCP	FITC, GFP, CFSE, BB515, Spark Blue 550, KIRAVIA Blue 520, Alexa Fluor 488
	C	-	488/10	SSC	SSC
	D				
Red 633nm	A	755 LP	780/60	APC-H7, APC-Cy7	APC-H7, APC-Alexa Fluor 750, APC-eFluor 780, APC/Fire 810, APC-Cy7
	B	690 LP	730/45	Alexa Fluor 700	APC-Cy5.5, eFluor 710, Alexa Fluor 700
	C	-	660/20	Alexa Fluor 647	APC, eFluor 660, Alexa Fluor 647/633/635, Cy5, Spark NIR 685
Yellow Green 561nm	A	735LP	780/60	Pe-Cy7	PE-Cy7, RY775, Pe-Cy7
	B	685LP	710/50	PE-Alexa 700	PerCP-Cy5.5, PE-Alexa Fluor 700
	C	630LP	670/14	Pe-Cy5	PE-Cy5, PerCP, 7AAD
	D	600LP	610/20	PE-CF597	mCherry, PE-Texas Red, PI, PE/Dazzle 594, PE-CF597
	E	-	582/15	PE	PE, DsRed, mRFP, tdTomato, Cy3, RY568
Violet 405nm	A	750LP	780/60	BV786	Brilliant Violet 785, Brilliant Violet 750, Qdot800
	B	690LP	710/50	BV711	Brilliant Violet 711, Qdot705
	C	630LP	660/20	BV650	Brilliant Violet 650, Qdot655
	D	595LP	610/20	BV605	Brilliant Violet 605, Qdot605
	E	502LP	510/50	BV510	Brilliant Violet 510, AmCyan, Alexa Fluor 430, V500, BV480, FVS510
	F	-	450/50	BV421	Brilliant Violet 421, Pacific Blue, V450, Alexa Fluor 430

AriaII-3･4号機 2024.3.6～

Laser	PMT	Mirror	Detector (nm)	Parameter name	Fluorochrome
Blue 488nm	A	685 LP	695/40	7-AAD/BB700/PerCP-Cy5.5/PerCP/PI	PerCP-Cy5.5, PE-Cy5.5, PI, 7AAD, PerCP-eFluor 710
	B	550 LP	575/26	PerCP-Cy5-5 PerCP	PE, DsRed
	C	505 LP	530/30	Alexa Fluor 488/BB515/FITC/FVS520	FITC, GFP, CFSE, Alexa 488
	D	-	488/10	SSC	SSC
	E			APC-H7, APC-Cy7	
	F				
	G				
	H				
Red 640nm	A	750 LP	780/60	APC-Cy7/APC-H7/FVS780	APC-Cy7, APC-H7, APC-Alexa Fluor 750, APC-eFluor 780
	B	690 LP	730/45	Alexa Fluor 700/APC-R700/FVS700/R718	Alexa 700, APC-Cy5.5, APC-Alexa 700, eFluor 710 (e710)
	C	-	670/30	Alexa Fluor 647/APC/FVS660	**APC**, eFluor 660, Alexa 647, Alexa Fluor 633, Alexa Fluor 635, Cy5
UV 355nm	A	635 LP	670LP	Hoechst Red	Hoechst Red (Side Population), BUV661
	B	-	450/50	DAPI/Hoechst Blue	DAPI, Indo-1 Violet, Hoecsht 33342, Alexa 350, BUV496
	C				
YellowGreen 561nm	A	750LP	780/60	YG-PE-Cy7	PE-Cy7
	B	635LP	670/30	YG-PE-Cy5	PE-Cy5, 7AAD, PE-Alexa Fluor 700
	C	600LP	610/20	YG-PE-CF594/YG-PI/FVS620/mCherry	mCherry, PE-Texas Red, PI, PE/Dazzle 594, PE-CF594
	D	-	582/15	RY586/YG-PE/FVS570	**PE**, DsRed, mRFP, tdTomato, Cy3
	E				
	F				
	G				
	H				
Violet 405nm	A	505 LP	525/50	BV480/BV510/FVS510/V500	AmCyan, V500, BV 510, Pacific Orange
	B	-	450/50	BV421/FVS450/V450/Pacific Blue	V450, **Pacific Blue**, **BV 421**, Alexa Fluor 430
	C				

Melody P6617620022 3-laser, 9-color (+FSC, SSC) 2026/9/17

Laser		Mirror	Detector (nm)	Parameter name	Fluorochrome Options
Blue 488nm	A	752LP	783/56	PE-Cy7	PE-Cy7
	B	665LP	700/54	PerCP-Cy5-5 PerCP	BD Horizon 700, PerCP, PerCP-Cy5.5, 7-AAD
	C	560LP	586/42	PE	PE, PI
	D	507LP	527/32	FITC, BB515	BD Horizon 515, FITC, Alexa Fluor 488, GFP
	E	-	488/15	APC-H7, APC-Cy7	SSC
Violet 405nm	A	755LP	755LP	BV786	BV786
	B	500LP	528/45	BV510, V500-C	AmCyan, Alexa Fluor 430, V500, BV510, Pacific Orange,
	C	448/45	448/45	BV421, V450	V450, Pacific Blue, BV421, BV480
Red 640nm	A	752LP	783/56	APC-Cy7, APC-H7	APC-Cy7, APC-H7, APC-Alexa Fluor 750, APC-eFluor 780
	B	660/10	660/10	APC	APC, eFluor 660, Alexa Fluor 647, Alexa Fluor 633, Alexa Fluor 635, Cy5

LSR Fortessa

2025.11.17～

New Fortessa SORP 2B 6V 5YG 2UV 3R

Laser	PMT	Mirror	Detector (nm)	Parameter name	Fluorochrome Options
Blue 488nm	A	630LP	670/50	PerCP-Cy5-5 PerCP	PerCP, PerCP-Cy5-5, PI, 7AAD
	B	505 LP	530/30	FITC	FITC, Alexa Fluor 488, BB515
	C	-	488/10	SSC	SSC
Violet 405nm	A	750LP	780/60	APC-H7, APC-Cy7	Brilliant Violet 785, Brilliant Violet 750
	B	690LP	710/50	BV711	Brilliant Violet 711
	C	635LP	670/30	BV650	Brilliant Violet 650
	D	600LP	610/20	BV605	Brilliant Violet 605
	E	505LP	525/50	BV510, V500	AmCyan, Alexa Fluor 430
	F	-	450/50	BV421, V450	Pacific Blue, Alexa Fluor 430
UV 355nm	A	690LP	740/35	BUV737	StarBright UV 740
	B	-	379/28	BUV395	Spark PLUS UV395
Red 640nm	A	750 LP	780/60	APC-Cy7	APC-Cy7, APC-H7, APC-Alexa Fluor 750, APC-eFluor 780
	B	685LP	730/45	Alexa Fluor 700	Alexa Fluor 700, APC-Cy5.5
	C	-	670/30	APC	APC, eFluor 660, Alexa Fluor 647, Cy5
Yellow-Green 561nm	A	750 LP	780/60	PE-Cy7 YG	PE-Cy7
	B	685 LP	710/50	PE-Cy5.5	PE-Cy5.5, PerCP-Cy5-5
	C	635 LP	670/30	PE-Cy5	PE-Cy5, 7AAD, PerCP
	D	600 LP	610/20	PE-Texas Red	PE-Texas Red, PE/Dazzle 594, mCherry, PI, PE-CF594
	E	-	582/15	PE-YG	PE-YG, DsRed, tdTomato

BV570やDAPIを使いたい場合は、都度フィルターを入れ替えてください。

Violet 405nm	E	**525/50 → 575/25**	BV510, V500	Brilliant Violet 570
UV 355nm	B	**379/28 → 450/50**	BUV395	DAPI, Indo-1 Violet, Hoecsht 33342, Alexa 350, BUV496

↑フィルター入れ替え後に選択するチャンネル名

CantoII　（3レーザー：488nm / 633nm / 405nm）　3-laser, 8-color (4B-2R-2V)

Laser	PMT	Mirror	Detector (nm)	Parameter name	Fluorochrome Options
Blue 488nm	A	735LP	780/60	PE-Cy7	PE-Cy7
	B	655LP	670LP	PerCP-Cy5-5 PerCP	PerCP-Cy5.5, PE-Cy5.5, PI, 7AAD, PerCP, PerCP-eFluor 710
	C	610LP		-	
	D	556LP	585/42	PE	PE, DsRed
	E	502LP	530/30	APC-H7, APC-Cy7	FITC, GFP, CFSE, Alexa Fluor 488
	F	-	488/10	SSC	SSC
	G				
	H				
Violet 405nm	A	502LP	510/50	AmCyan	AmCyan, Alexa Fluor 430, V500, BV 510, Pacific Orange,
	B	-	450/50	Pacific Blue	V450, Pacific Blue, BV 421, BV480
	C	-	-	-	
Red 633nm	A	735LP	780/60	APC-Cy7	APC-Cy7, APC-H7, APC-Alexa Fluor 750, APC-eFluor 780
	B	685LP	-	-	
	C	-	660/20	APC	APC, eFluor 660, Alexa Fluor 647, Alexa Fluor 633, Alexa Fluor 635, Cy5