



Attune NxT 1,2 & 3 - standard configuration

V1 - PB/DAPI/BV421	405-440/50
V2 - PO/BV510	405-512/25
V3 - QD605/BV605	405-603/48
V4 - BV711	405-710/50
B1 - FITC/Alexa488/GFP/YFP	488-530/30
B2 - PE* / PE-TxRd	488-590/40
B3 - PerCP/PerCP-Cy5.5	488-695/40
Y1 - PE*	561-585/16
Y2 - PE-Texas Red, PI	561-620/15
Y3 - PE-Cy5/ PE-Cy5.5/ 7AAD	561-695/40
Y4 - PE-Cy7	561-780/60
R1 - APC	640-670/14
R2 - Alexa Fluor 700	640-720/30
R3 - APC-Cy-7, APC ef780	640-780/60

Other filter options are available for the violet laser - please email wimm_cellsort@maillist.ox.ac.uk

*PE and PE tandems are best measured from the YG laser



Attune NxT 1,2 & 3 - fluorescent protein configuration

V1 - PB/DAPI/BV421	405-440/50
V2 - PO/BV510	405-512/25
V3 - QD605/BV605	405-603/48
V4 - BV711	405-710/50
B1 - GFP	488-510/10*
B2 - YFP	488-540/30*
B3 - PerCP/PerCP-Cy5.5	488-695/40
Y1 - PE	561-585/16
Y2 - tdTomato / mCherry / DsRed	561-615/25*
Y3 - PE-Cy5/ PE-Cy5.5/ 7AAD	561-695/40
Y4 - PE-Cy7	561-780/60
R1 - APC	640-670/14
R2 - Alexa Fluor 700	640-720/30
R3 - APC-Cy-7, APC ef780	640-780/60

* requires FP filter kit / filter change



LSR Fortessa

PB/DAPI/BV421	405-450/50
PO/BV510	405-525/50
QD605/BV605	405-610/20
BV655 / QD655	405-660/20
BV780	405-780/60
FITC/Alexa488/GFP/YFP	488-530/30
PerCP	488-670/20
PE	561-585/15
PE-Texas Red, PI	561-610/20
PE-Cy5, 7AAD	561-670/30
PE-Cy5.5	561-710/50
PE-Cy7	561-780/60
APC	640-670/14
Alexa Fluor 700	640-730/45
APC-Cy-7, APC ef780	640-780/60

The Fortessa can be used with an HTS for sample collection directly from plates. Alternative filters are available.



X20 -1 and X20 -2

PB/DAPI/BV421	405-450/50
PO/BV510	405-525/50
QD605/BV605	405-610/20
QD655/BV650	405-670/30
BV711	405-710/50
BV786	405-780/60

FITC/Alexa488/GFP/YFP	488-530/30
PerCP-Cy5.5 or PerCP	488-695/40
PE	561-582/15
PE-Texas Red, PI	561-610/20
PE-Cy5, 7AAD	561-670/14
PE-Cy5.5	561-710/50
PE-Cy7	561-780/60
APC	640-670/30
Alexa Fluor 700	640-730/45
APC-Cy-7, APC ef780	640-780/60

The X20 analysers can be used with an HTS for sampling directly from plates



Symphony A3 (Fortessa X50)

Channel	Filter	Fluorochrome	Ex-Max (nm)	Em-Max (nm)	Relative Brightness (1-4)
1	379/28	BD Horizon™ BUV395	348	395	2
2	515/30	BD Horizon™ BUV496	348	496	2
3	580/20	BD Horizon™ BUV563	348	563	2
4	605/20	BD Horizon™ BUV615-P	349	616	3
5	675/20	BD Horizon™ BUV661	348	661	3
6	735/30	BD Horizon™ BUV737	348	737	3
7	810/40	BD Horizon™ BUV805	348	805	1
8	450/50	BD Horizon™ BV421	407	421	4
		BD Horizon™ V450	404	448	1
		Pacific Blue™	401	452	1
9	525/50	BD Horizon™ BV480	436	478	3
		BD Horizon™ V500	415	500	1
		BD Horizon™ BV510	405	510	2
10	586/15	BD Horizon™ BV570	407	574	2
11	610/20	BD Horizon™ BV605	407	602	3
12	670/30	BD Horizon™ BV650	407	650	4
13	710/50	BD Horizon™ BV711	407	711	4
14	741/40	BD Horizon™ BV750-P	407	748	2
15	780/60	BD Horizon™ BV786	407	786	3
16	530/30	BD Horizon™ BB515	490	515	4
		Alexa Fluor® 488	495	519	2
		FITC	494	519	2
17	610/20	BD Horizon™ BB630-P	484	631	4
18	670/30	BD Horizon™ BB660-P	484	667	4
19	695/40	PerCP	482	678	1
		BD Horizon™ BB700-P	484	695	4
		PerCP-Cy™5.5	482	695	2
20	780/60	BD Horizon™ BB790-P	484	793	4
21	585/15	BD Horizon™ BYG584-P	563	584	4
		PE*	496	578	3
22	610/20	BD Horizon™ PE-CF594	564	612	4
23	670/30	PE-Cy™5*	564	667	4
24	710/50	PE-Cy5.5			
25	780/60	PE-Cy™7	564	785	4
26	670/30	APC	650	660	3
		Alexa Fluor® 647	650	668	3
27	730/45	BD Horizon™ APC-R700	652	704	3
		Alexa Fluor® 700	696	719	1
28	780/60	APC-Cy7	650	785	1
		BD™ APC-H7	650	785	1

An HTS unit can be used to sample directly from plates



LSR II

BUV395	355-379/28
BUV737	355-740/35
PB/DAPI/BV421	405-450/50
PO/BV510	405-525/50
QD605/BV605	405-610/20
QD655/BV655	405-660/20
BV780	405-780/60
FITC/Alexa488/GFP/YFP	488-525/50
PerCP	488-670/20
PE	532-575/25
PE-Texas Red, PI	532-610/20
PE-Cy5, 7AAD	532-685/35
PE-Cy5.5, PerCP-Cy5.5	532-710/40
PE-Cy7	532-780/60
APC	640-670/14
Alexa Fluor 700	640-730/45
APC-Cy-7, APC ef780	640-780/60

Additional alternative filters are available. An HTS unit can be connected to allow sampling directly from plates



Aria II

PB/DAPI/BV421	405-450/50
PO/BV510	405-525/50
QD605/BV605	405-610/20
QD655/BV655	405-660/20
BV780	405-780/60
FITC/Alexa488/GFP/YFP	488-525/50
PerCP	488-670/20
PE	532-575/25
PE-Texas Red, PI	532-610/20
PE-Cy5, 7AAD	532-685/35
PE-Cy5.5, PerCP-Cy5.5	532-710/40
PE-Cy7	532-780/60
APC	640-670/14
Alexa Fluor 700	640-730/45
APC-Cy-7, APC ef780	640-780/60



ARIA IIIu

PB/DAPI/BV421	405-450/40
PO/BV510	405-525/50
QD605/BV605	405-610/20
BV655 / QD655	405-660/20
BV780	405-780/60
FITC/Alexa488/GFP/YFP	488-530/30
PerCP	488-670/30
PE	561-582/15
PE-Texas Red, PI	561-610/20
PE-Cy5, 7AAD	561-670/14
PE-Cy5.5	561-710/50
PE-Cy7	561-780/60
APC	633-660/20
Alexa Fluor 700	633-730/45
APC-Cy-7, APC ef780	633-780/60

This instrument is housed in a biosafety cabinet



Fusion 1/2

PB/DAPI/BV421	405-450/40
PO/BV510	405-525/50
QD605/BV605	405-610/20
QD655/BV650	405-660/20
BV711	405-710/50
BV786	405-780/60
FITC/Alexa488/GFP/YFP	488-530/30
PerCP-Cy5.5 / PerCP	488-695/40
PE	561-582/15
PE-Texas Red, PI	561-610/20
PE-Cy5, 7AAD	561-670/14
PE-Cy5.5	561-710/50
PE-Cy7	561-780/60
APC	640-670/30
Alexa Fluor 700	640-730/45
APC-Cy-7, APC ef780	640-780/60

Sony SH800 - 4 Laser - 405, 488, 561, 640nm

Filter Set 1	FL1	FL2	FL3	FL4	FL5	FL6
EGFP	●					
FITC	●					
Alexa Fluor® 488	●					
EYFP	●					
mCitrine	●					
CFSE	●					
PE		●				
PE-Texas Red®			●			
Propidium Iodide			●			
dsRed			●			
tdTomato			●			
mCherry			●			
mPlum				●		
7-AAD				●		
PE-Cy™5				●		
PerCP				●		
PE-Cy5.5					●	
PerCP-Cy5.5					●	
PE-Cy7						●
APC				●		
Cy5				●		
Alexa Fluor 647				●		
APC-Cy5.5					●	
Alexa Fluor 700					●	
APC-Cy7						●
APC-Alexa Fluor 750						●

Filter Set 1 includes:

LP1 639LP	FL1 525/50	FSC 488/17F 488/17F
LP2 600LP	FL2 585/30	BSC 488/17B 488/17B
LP3 561LP	FL3 617/30	
LP4 752LP	FL4 665/30	
LP5 685LP	FL5 720/60	
	FL6 785/60	

Filter Set 2	FL1	FL2	FL3	FL4	FL5	FL6
Brilliant Violet™421	●					
Alexa Fluor® 405	●					
DAPI	●					
Pacific Blue™	●					
mCFP	●					
Hoechst 33342	●					
EGFP		●				
FITC		●				
Alexa Fluor 488		●				
EYFP		●				
mCitrine		●				
CFSE		●				
PE			●			
PE-Texas Red			●			
PE-Dazzle™			●			
Propidium Iodide			●			
dsRed			●			
tdTomato			●			
mCherry			●			
mPlum				●		
7-AAD				●		
PE-Cy5				●		
PE-Cy5.5					●	
PerCP-Cy5.5					●	
PE-Cy7						●
APC				●		
Alexa Fluor 647				●		
APC-Cy5.5					●	
Alexa Fluor 700					●	
APC-Cy7						●
APC-Alexa Fluor 750						●

Filter Set 2 includes:

LP1 639LP	FL1 450/50	FSC 488/17F
LP2 561LP	FL2 525/50	BSC 488/17B
LP3 487.5LP	FL3 600/60	
LP4 752LP	FL4 665/30	
LP5 685LP	FL5 720/60	
	FL6 785/60	