

ARIA II (The Mean Machine HSRB E-362A) and LSR II (The Army Surplus Special and The Bouldermobile* HSRB E-362)

Laser	Violet (405)					Blue (488)			Green (561)					Red (640)		
Detector	V 450/50	V 525/50	V 610/20	V 660/20	V 705/70	SSC	B 530/30	B 710/50	YG 582/15	YG 610/20	YG 670/30	YG 710/50	YG 780/60	R 670/30	R 720/40	R 780/60
Fluorophores/ probes	BV421	BV510	BV605	BV650	BV711	SSC	BB515	PerCP-Cy5.5	PE	PE-TR	PE-Cy5	PE-Cy5.5	PE-Cy7	APC	Alexa700	APC-Cy7
	eFluor 450	QDot 525	Qdot 605	Qdot 655	Qdot 705		Alexa 488	PerCP-eF 710	BYG584	PE-CF594	7-AAD	7-AAD	BYG790	Alexa 633	APC-R700	APC-H7
	V450	V500	Pacific Orange				GFP	7-AAD		mCherry	BYG670			eFluor 660		APC-eF 780
	Pacific Blue	Pacific Orange					YFP	PI		mKate				TO-Pro-3		Zombie NIR
	Alexa 405	Alexa 430					CFSE			Katushka				Alexa 647		
	Hoescht	AmCyan					FITC			RFP						
		Live/Dead Aqua														
Laser	UV (355)*					*The Bouldermobile does not have a UV laser										
Detector	UV 379/28	UV 515/30	UV 740/35													
Fluorophores/ probes	BUV395	BUV496	BUV737													
	Indo-1 Bound	Hoechst 33342														
		Indo-1 Unbound														

FACSymphony A5 (ORAC HSRB E-362)

Laser	Violet (405)								Blue (488)						
Detector	V 431/28	V 470/15	V 586/15	V 610/20	V 670/30	V 710/50	V 740/35	V 780/60	SSC	B 515/20	B 610/20	B 670/30	B 710/50	B 750/30	B 780/60
Fluorophores/ probes	BV421	BV510	BV570	BV605	BV650	BV711		BV786	SSC	BB515	BB630	BB660	PerCP-Cy5.5	BB750	BB790
	Alexa 405	V450	Live/Dead Aqua	Qdot 605	Qdot 655	Qdot 705				Alexa 488			PerCP-eF 710		
		Pacific Blue	Pacific Orange							GFP			7-AAD		
	eFluor 450	eFluor 450								YFP			PI		
	Hoescht									CFSE					
	BV480	BV480								FITC					
Green (561)						Red (640)			UV (355)						
	YG 586/15	YG 610/20	YG 670/30	YG 710/50	YG 780/60	R 670/30	R 710/50	R 780/60	UV 379/28	UV 515/30	UV 586/15	UV 670/30	UV 740/35	UV 820/60	
	PE	PE-TR	PE-Cy5	PE-Cy5.5	PE-Cy7	APC	Alexa700	APC-H7	BUV395	BUV496	BUV563	BUV661	BUV737	BUV805	
	BYG584	PE-CF594	7-AAD	7-AAD	BYG790	Alexa 633	APC-R700	APC-eF 780	Indo-1 Bound	Hoechst 33342					
		mCherry				eFluor 660		Zombie NIR		Indo-1 Unbound					
		mKate				TO-Pro-3									
		Katushka				Alexa 647									
		RFP													

Cytoflex (The Hooded Claw HSRB E-362)

Laser	Violet (405)				Blue (488)			Green (561)				Red (640)		
Label	PB450	K0525	Violet610	Violet660		FITC	PerCP	PE	ECD	PC5.5	PC7	APC	APC-A700	APC-A750
Detector	V 450/45	V 525/40	V 610/20	V 660/20**	SSC	B 525/40	B 690/50	YG 585/42	YG 610/20	YG 690/50	YG 780/60	R 660/20	R 712/25	R 780/60
Fluorophores/ probes	BV421	BV510	BV605	BV650	SSC	BB515	PerCP	PE	ECD	PE-Cy5	PE-Cy7	APC	Alexa700	APC-A750
	eFluor 450	QDot 525	Qdot 605	Qdot 655		Alexa 488	PerCP-Cy5.5	DsRed	mCherry	7-AAD	BYG790	Cy5	APC-A700	APC-Cy7
	V450	V500	Pacific Orange			GFP	PerCP-eF 710		PE-TR	PE-Cy5.5		Alexa633	APC-R700	APC-H7
	Pacific Blue	Pacific Orange				YFP	7-AAD		PE-CF594	BYG670		Alexa647		APC-eF 780
	Alexa 405	K0525				CFSE	PI		mKate			TO-Pro-3		Zombie NIR
	Hoescht	AmCyan				FITC			Katushka					
		Live/Dead Aqua							RFP					

**Can be substituted for SSC in V 405/10

Imagestream X MK II (The Buzzwagon HSRB E-362)

Channel	Camera 1						Camera 2					
	1	2	3	4	5	6	7	8	9	10	11	12
Band (nm)	430-480	480-560	560-595	595-640	640-745	745-800	430-505	505-570	570-595	595-640	640-745	745-800
Color coded by laser:	Brightfield***	FITC	PE	PE-TR	PE-Cy5	SSC***	DAPI	BV510	Brightfield***	Qdot 625	APC	SSC***
405 nm		Alexa 488	Cy3	Alexa 568	PE-Cy7	PE-Alexa 647	Hoechst	V500	Qdot 565	eFluor 625	Alexa 647	APC-Cy7
488 nm		GFP	Alexa 546		DRAQ5	PE-Alexa 750	BV421	Qdot 525	Qdot 585		Alexa 660	APC-Alexa 750
561 nm		YFP	Alexa 555				V450	Pacific Orange			Alexa 680	Qdot 800
642 nm		CFSE					Pacific Blue	Alexa 430			DRAQ5	
		BB515					Alexa 405				Qdot 705	

***SSC can be measured in either Ch6 or Ch12. Default brightfields are Ch1 and Ch9 but can be moved