

Amnis® Spectral Imaging Channels And Corresponding Fluorophores

Aminos Spectral Imaging Channels And corresponding fluorophores																					
Laser	Fluorophore	Ex	Em	Fluorophore	Ex	Em	Fluorophore	Ex	Em	Fluorophore	Ex	Em	Fluorophore	Ex	Em	Fluorophore	Ex	Em	FluorSight™ ImageStream™ Camera 1 ImageStream™		
375 (with installed 405)	CH 1			CH 2			CH 3			CH 4			CH 5			CH 6					
	ChV/Ch9 BP™ or Alexa Fluor® 350	346	442	1	QD525	350-450	525	5	eFluor565 NC	UV - 405	565	2	eFluor625 NC	UV - 405	625	5	eFluor700 NC	UV - 405	700	1	
	BV421™	405	421	5					QD565	350-450	565	5	QD625	350-450	625	5	QD705	350-450	705	5	
	Cascade Blue	377	420	1					QD585	350-450	585	5									
	DAPI	345	461	1																	
	Hoechst	352	455	1																	
	Pacific Blue	410	455	1																	
488	BRIGHTFIELD	Alexa Fluor® 488	496	514	3	Cy3	514	566	1	AldRed	488	615	7-AAD	546	647	3	PE-Alexa Fluor® 750	496,565	775	3	
		BODIPY FI	503	512	3	DSRed	557	592	1	PE-Alexa Fluor® 610	496,565	630	3	DRAQ5	646	697	4	PE-Cy7	496,565	774	4
		DIO	484	501	3	PE	496,565	578	5	PE-Texas Red®(ECD)	496,565	613	2	FuRed-1a	472	657					
		DyLight™ 488	493	518	3	RFP	555	584	2	RFP	555	584	2	LD5751	543	712					
		FITC	484	520	3																
		GFP/EGFP	475/488	509																	
		LysoTracker Green	504	511																	
		MitoTracker Green	490	516																	
		PKH2 & PKH67	490	504																	
		Rhodamine T10	496	520																	
		SYBR® Green	484	521																	
		Syto13 (DNA/RNA)	488D/491R	509D/514R																	
		YFP	514	527																	
561	BRIGHTFIELD	Alexa Fluor® 546	556	573	5	Alexa Fluor® 568	578	603	3	7-AAD	546	647	5	PE-Alexa Fluor® 750	496,565	775					
		CamRox®/Tracker	522	535		DyLight™ 594	593	618	2	LDH425	946	997		PE-Cy7	496,565	774	4				
		DII	549	565		PE-Texas Red®(ECD)	496,565	613	2	LD5751	543	712									
		DSRed	557	592	3	PE-Alexa Fluor® 610	496,565	628	5	PE-Alexa Fluor® 647	496,565	669	5								
		DyLight® 550	562	576	3	RFP	555	584	4	PE-Cy5	496,565	670	4								
		Nile Red	510-530	525-605		mCherry®	587	610	4												
		PE	496,565	578	5																
		PKH26	551	567																	
		Spectrum Orange	559	588																	
		Sytox Orange	547	570																	
785																					
Ch width	435-480					560-595				595-642				642-745			745-780		Ch width		
Bandpass*	(452/45)					(528/65)				(610/30)				(702/65)			(762/35)		Bandpass*		
575 (with 405 not installed)	CH 7			CH 8			CH 9			CH 10			CH 11			CH 12					
	Alexa Fluor® 350	346	442	1	eFluor525 NC	UV - 405	525	1													
	BV421™	405	421	5	QD525	350-450	525	5													
	Cascade Blue	377	420	1																	
	DAPI	345	461	1																	
	Hoechst	352	455	1																	
	Pacific Blue	410	455	1																	
405	Alexa Fluor® 405	402	421	1	Alexa Fluor® 430	434	541	3		eFluor625 NC	UV - 405	625	5	eFluor650 NC	UV - 405	650	5	QD800	350-450	800	5
	BV421™	405	421	5	B1510™	405	510	3		QD625	350-450	625	5	QD705	350-450	705	5				
	Cascade Blue	377	420	1	Cascade Yellow	402	545	1													
	CFP	435	485	2	Pacific Orange	410	551	1													
	DAPI	345	461	1	Pacific Orange	410	551	1													
	DyLight™405	400	420	1	QD525	350-450	525	5													
	Hoescht	352	455	1																	
	LIVE/DEAD Violet	416	451																		
	Pac Blue	410	455	1																	
592										Alexa Fluor® 594	590	617	2								
										DyLight™594	593	618									
										mCherry	587	610	1								
										Texas Red®	595	603	5								
642													Alexa Fluor® 647	650	668	5	APC-Alexa Fluor® 750	650	774	2	
													Alexa Fluor® 660	663	690	2	APC-Cy7	650	774	2	
													APC	645	660	5	APC-eFluor750	633	750	4	
													Cy5	650	670	2	APC-H7	652	785	2	
													DIO	644	665		Cy7	743	767	3	
													DRAQ5	646	697		eFluor790	753	785	2	
												DyLight™650	655	670		PE-Cy7	496,565	774	4		
785																					
Ch width	435-505					505-570				570-595				595-642			642-745		745-780		Ch width
Bandpass*	(457/45)					(537/65)				(582/25)				(610/30)			(702/65)		(762/35)		Bandpass*