

Detection Channel Configuration

Table 15 list the optical filters used in the NovoCyte Penteon System standard configurations and the recommended fluorochromes for each photodetector.

Table 15 Optical Filters for NovoCyte Penteon U7V7B6Y6R4 Default System

Excitation Laser	Detector	Dichroic Mirror	Bandpass Filter	Fluorochrome
488 nm	Forward Scatter (FSC)	-	488/10	-
	Side Scatter (SSC)	495 LP	488/10	-
	B525	FRM	525/45	FITC
	B586	570 SP	586/20	EYFP
	B615	598 SP	615/20	PI
	B667	685 LP	667/30	PerCP
	B695	705 LP	695/40	PerCP-Cy5.5
	B725	FRM	725/40	PerCP-eFluor 710
349 nm	UV445	495 LP	445/45	BUV395
	UV525	FRM	525/45	BUV496
	UV586	570 SP	586/20	BUV563
	UV615	598 SP	615/20	BUV615
	UV667	685 LP	667/30	BUV661
	UV725	FRM	725/40	BUV737
	UV780	757 LP	780/60	BUV805
	405 nm	V445	495 LP	445/45
V525		FRM	525/45	AmCyan
V586		570 SP	586/20	Pacific Orange
V615		598 SP	615/20	Qdot 605
V667		685 LP	667/30	Qdot 655
V725		FRM	725/40	BV711
V780		757 LP	780/60	Qdot 800
561 nm		Y586	570 SP	586/20
	Y615	598 SP	615/20	PE-Texas Red

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	Y667	685 LP	667/30	PE-Cy5
	Y695	705 LP	695/40	PE-Cy5.5
	Y725	FRM	725/40	PE-Alexa Fluor 700
	Y780	757 LP	780/60	PE-Cy7
637 nm	R667	685 LP	667/30	APC
	R695	705 LP	695/40	Alexa Fluor 680
	R725	FRM	725/40	Alexa Fluor 700
	R780	757 LP	780/60	APC-Cy7