

QUICK REFERENCE GUIDE



# Cytek® cFluor® Fluorochromes

Laser	Cytek® cFluor®	Peak Emission	Brightness*	Peak Detector	Alternative For
UV	cFluor® UV395	395 nm		UV2	Brilliant™ UltraViolet 395, StarBright™ UltraViolet 400, Spark PLUS UV395™
	cFluor® UV440	440 nm		UV6	StarBright™ UltraViolet 445
	cFluor® UV515	515 nm		UV7	Brilliant™ UltraViolet 496, StarBright™ UltraViolet 510
	cFluor® UV570	570 nm		UV9	Brilliant™ UltraViolet 563, StarBright™ UltraViolet 575
	cFluor® UV610	610 nm		UV10	Brilliant™ UltraViolet 615, StarBright™ UltraViolet 605
	cFluor® UV670	670 nm		UV11	Brilliant™ UltraViolet 661, StarBright™ UltraViolet 665
	cFluor® UV745	745 nm		UV14	Brilliant™ UltraViolet 737, StarBright™ UltraViolet 740
	cFluor® UV790	790 nm		UV16	Brilliant™ UltraViolet 805, StarBright™ UltraViolet 795
Violet	cFluor® V420	420 nm		V2	Alexa Fluor™ 405, Spark Violet™ 423
	cFluor® V435	435 nm		V2	Super Bright™ 436, StarBright™ Violet 440, Vio™ Bright V423
	cFluor® V450	450 nm		V3	Pacific Blue™, eFluor™ 450, VioBlue™
	cFluor® V475	475 nm		V5	Brilliant™ Violet 480, StarBright™ Violet 475
	cFluor® V505	505 nm		V5	violetFluor® 500, Spark Violet™ 500
	cFluor® V515	515 nm		V6	Brilliant™ Violet 510, VioGreen™, Krome Orange, StarBright™ Violet 515
	cFluor® V547	547 nm		V8	Pacific Orange™, Spark Violet™ 538
	cFluor® V570	570 nm		V8	Brilliant™ Violet 570, StarBright™ Violet 570
	cFluor® V605	605 nm		V10	Super Bright™ 600, Brilliant™ Violet 605, StarBright™ Violet 610
	cFluor® V610	610 nm		V10	<b>Spectrally Unique</b> , Works Well With cFluor® V605
	cFluor® V670	670 nm		V11	StarBright™ Violet 670, Super Bright™ 645, Brilliant™ Violet 650
	cFluor® V715	715 nm		V13	Super Bright™ 702, Brilliant™ Violet 711
	cFluor® V755	755 nm		V14	Brilliant™ Violet 750, StarBright™ Violet 760
	cFluor® V780	780 nm		V15	Super Bright™ 780, Brilliant™ Violet 786, StarBright™ Violet 790
	Blue	cFluor® B515	515 nm		B1
cFluor® B520		520 nm		B2	FITC, Alexa Fluor™ 488, KIRAVIA Blue 520™
cFluor® B532		532 nm		B2	<b>Spectrally Unique</b> , Works Well With cFluor® B515

**For Research Use Only. Not for use in diagnostic procedures.**

For support and/or questions, contact [technicalsupport@cytekbio.com](mailto:technicalsupport@cytekbio.com).

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Laser	Cytek® cFluor®	Peak Emission	Brightness*	Peak Detector	Alternative For
Blue	cFluor® B548	548 nm		B3	Spark Blue™ 550, Alexa Fluor™ 532, RealBlue™ 545, NovaFluor™ Blue 550
	cFluor® B675	675 nm		B8	PerCP
	cFluor® B690	690 nm		B9	PerCP-Cy5.5, Brilliant™ Blue 700, StarBright™ Blue 700
Yellow-Green	cFluor® YG584	584 nm		YG1	Spark YG™ 581, Real Yellow™ 586
	cFluor® YG600	600 nm		YG2	Spark YG™ 593, NovaFluor™ Blue 550, RealYellow™ 610
	cFluor® YG610	610 nm		YG3	PE/Dazzle™ 594, PE-CF™594, PE-Vio™ 615, PE-eFluor™ 610, eFluor™ 615
	cFluor® BYG575	575 nm		B4, YG1	PE
	cFluor® BYG610	610 nm		B6, YG3	PE/Dazzle™ 594, PE-CF™594, PE-Vio™ 615, PE-eFluor™ 610, eFluor™ 615
	cFluor® BYG645	645 nm		B7, YG4	PE/Fire™ 640
	cFluor® BYG667	667 nm		B8, YG5	PE-Cy5, PE-Vio™ 670
	cFluor® BYG710	710 nm		B10, YG7	PE/Fire™ 700, PE-Alexa Fluor™ 700, RealYellow™ 703
	cFluor® BYG750	750 nm		B12, YG8	PE/Fire™ 744, RealYellow™ 743
	cFluor® BYG781	781 nm		B13, YG9	PE-Cy7, PE-Vio™ 770, RealYellow™ 775
Red	cFluor® R659	659 nm		R1	APC
	cFluor® R668	668 nm		R2	Alexa Fluor™ 647, eFluor™ 660, Vio™ R667, Vio™ Bright R667
	cFluor® R685	685 nm		R3	APC-Cy5.5, Alexa Fluor™ 660, Spark NIR™ 685, NovaFluor™ Red 685
	cFluor® R720	720 nm		R4	Alexa Fluor™ 700, APC-R700, BD Horizon™ Red 718, Spark Red™ 718, APC-Alexa Fluor™ 700
	cFluor® R780	780 nm		R7	APC/Fire 750, APC-H7, APC-Cy7, APC-eFluor™ 780, APC Vio™ 770
	cFluor® R840	810 nm		R8	APC/Fire™ 810

\*Brightness measured on peripheral blood mononuclear cells (PBMCs).

cFluor® V547, cFluor® B515, cFluor® B532, cFluor® B548, cFluor® BYG610, cFluor® BYG645, cFluor® YG584, cFluor® YG600, cFluor® YG610, cFluor® R668, cFluor® R685, cFluor® R720, and cFluor® R840 are equivalent to CF™405L, CF™488A, CF™503R, CF™514, RPE-CF™596R, RPE-CF™620R, CF™568, CF™575, CF™583R, CF™647, CF™660C, CF™700, and APC-CF™790T, respectively, manufactured and provided by Biotium, Inc. under an Agreement between Biotium and Cytek (LICENSEE). The manufacture, use, sale, offer for sale, or import of the product is covered by one or more of the patents or pending applications owned or licensed by Biotium. The purchase of this product includes a limited, non-transferable immunity from suit under the foregoing patent claims for using only this amount of product for the purchaser's own internal research. No right under any other patent claim, no right to perform any patented method, and no right to perform commercial services of any kind, including without limitation reporting the results of purchaser's activities for a fee or other commercial consideration, is conveyed expressly, by implication, or by estoppel.

cFluor® UV395, cFluor® UV440, cFluor® UV515, cFluor® UV570, cFluor® UV610, cFluor® UV670, cFluor® UV745, cFluor® UV790, cFluor® V435, cFluor® V475, cFluor® V515, cFluor® V570, cFluor® V605, cFluor® V670, cFluor® V715, cFluor® V755, and cFluor® V780 are StarBright™ UltraViolet 400 Dye, StarBright™ UltraViolet 445 Dye, StarBright™ UltraViolet 510 Dye, StarBright™ UltraViolet 575 Dye, StarBright™ UltraViolet 605 Dye, StarBright™ UltraViolet 605 Dye, StarBright™ UltraViolet 665 Dye, StarBright™ UltraViolet 740 Dye, StarBright™ UltraViolet 795 Dye, StarBright™ Violet 440 Dye, StarBright™ Violet 475 Dye, StarBright™ Violet 515 Dye, StarBright™ Violet 570 Dye, StarBright™ Violet 610 Dye, StarBright™ Violet 670 Dye, StarBright™ Violet 710 Dye, StarBright™ Violet 760 Dye, and StarBright™ Violet 790 Dye, respectively, manufactured and provided by Bio-Rad, Inc. StarBright is a trademark of Bio-Rad Laboratories, Inc. in certain jurisdictions. StarBright Dyes are manufactured and provided by Bio-Rad under an Agreement between Bio-Rad supplied to Cytek, being subject to certain conditions.

cFluor® UV515, cFluor® UV570, cFluor® UV610, cFluor® UV670, cFluor® UV745, cFluor® UV790, cFluor® V515, cFluor® V570, cFluor® V605, cFluor® V670, cFluor® V715, cFluor® V755, cFluor® V780, cFluor® B690, cFluor® BYG610, cFluor® BYG645, cFluor® BYG667, cFluor® BYG710, cFluor® BYG750, cFluor® BYG781, cFluor® R780, and cFluor® R840 are tandem dyes. Caution: Tandem dyes may show changes in their emission spectra with prolonged exposure to light or fixatives.

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