

# Double Labeled Probe LINEUP

LC® = LightCycler®  
 TQ™ = Tide Quencher™  
 BBQ® = BlackBerry® Quencher  
 SR101 = Sulfo-rhodamine 101

		Quencher	TQ™ 1	Dabcyl	BHQ-0®	TQ™ 2	BHQ-1®	ATTO540Q	TAMRA	ATTO575Q	ATTO580Q	TQ™ 3	ATTO612Q	BHQ-2®	TQ™ 4	BBQ650®	TQ™ 5	BHQ-3®	TQ™ 6	TQ™ 7
Quenching Range (nm)			380-530	430-520	480-580	480-580	500-565	520-570	530-605	535-610	550-650	555-640	560-670		550-750		620-730			
Abs max (nm)		490	453		520	534	543		582	587	570	615	579	610	650	670	672	700	760	
Fluorophore	Tide Fluor™ 1	345 / 442	●																	
	ATTO 390	390 / 476	●	●																
	ATTO 425	439 / 485	●	●	●															
	LC@480Cyan500	450 / 500	●	●	●															
	ATTO 465	453 / 506	●	●	●			●												
	6FAM	494 / 525		●	●	●	●	●	●											
	ATTO 488	500 / 520		●	●	●	●	●	●											
	Tide Fluor™ 2	500 / 527		●	●	●	●	●	●											
	ATTO 495	498 / 526				●	●	●	●											
	ATTO 514	511 / 532				●	●	●	●		●									
	ATTO 520	517 / 538				●	●	●	●		●		●							
	TET	519 / 539				●	●	●	●		●		●							
	JOE	520 / 548				●	●	●	●		●		●							
	CAL Fluor 540	522 / 541				●	●	●	●		●		●							
	Yakima Yellow	530 / 549				●	●	●	●		●		●							
	ATTO 532	532 / 552				●	●	●	●		●		●							
	ATTO Rho6G	533 / 557				●	●	●	●		●		●							
	HEX	535 / 556				●	●	●	●		●		●							
	LC@Yellow555	535 / 568				●	●	●	●		●		●							
	CAL Fluor 560	537 / 558				●	●	●	●		●		●							
	ATTO 542	542 / 562								●	●	●	●	●	●					
	Quasar@570	548 / 570								●	●	●	●	●	●					
	Cy3	552 / 565								●	●	●	●	●	●		●			
	ATTO 550	554 / 576								●	●	●	●	●	●		●			
	TAMRA	555 / 580								●	●	●	●	●	●		●			
	Tide Fluor™ 3	555 / 584								●	●	●	●	●	●		●			
	ATTO 565	564 / 590								●	●	●	●	●	●	●	●			
	ATTO Rho3B	566 / 589								●	●	●	●	●	●	●	●			
	ROX	568 / 595								●	●	●	●	●	●	●	●			
	ATTO Rho11	572 / 595								●	●	●	●	●	●	●	●			
ATTO Rho12	576 / 601								●	●	●	●	●	●	●	●				
Cy3.5	581 / 596								●	●	●	●	●	●	●	●				
ATTO Thio12	582 / 607									●	●	●	●	●	●	●				
ATTO Rho101	587 / 609									●	●	●	●	●	●	●				
LC@Red610	590 / 610										●	●	●	●	●	●				
CAL Fluor 610	590 / 610										●	●	●	●	●	●				
Tide Fluor™ 4	590 / 618										●	●	●	●	●	●				
ATTO 590	593 / 622										●	●	●	●	●	●				
TexasRed(SR101)	595 / 615											●	●	●	●	●				

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		Quenching Range (nm)		380-530	430-520	480-580	480-580	500-565	520-570	530-605	535-610	550-650	555-640	560-670		550-750		620-730		
		Abs max (nm)	490	453		520	534	543		582	587	570	615	579	610	650	670	672	700	760
Fluorophore	ATTO 594	603 / 626											●	●	●	●				
	ATTO Rho13	603 / 627											●	●	●	●				
	ATTO 610	616 / 633											●	●		●	●			
	LC@Red670	615 / 670												●		●	●			
	ATTO 620	620 / 642												●		●	●			
	LC@Red640	625 / 640												●		●	●			
	ATTO Rho14	626 / 646												●		●	●			
	ATTO 633	630 / 651												●		●	●			
	ATTO 647	647 / 667												●		●	●			
	ATTO 647N	646 / 664												●		●	●			
	Quasar@670	647 / 670												●		●	●		●	
	Tide Fluor™ 5	649 / 664												●		●	●		●	
	Cy5	650 / 667												●		●	●		●	
	ATTO 655	663 / 680												●		●	●		●	●
	ATTO Oxa12	662 / 681												●		●	●		●	●
	ATTO 665	662 / 680												●		●	●		●	●
	Tide Fluor™ 6	676 / 695												●		●	●		●	●
	Cy5.5	678 / 703												●		●	●		●	●
	ATTO 680	681 / 698												●		●	●		●	●
	LC@Red705	685 / 705												●		●	●		●	●
Quasar@705	690 / 705												●		●	●		●	●	
ATTO 700	700 / 716																	●	●	
ATTO 725	728 / 751																		●	
ATTO 740	743 / 763																		●	
Tide Fluor™ 7	749 / 775																		●	
Tide Fluor™ 8	775 / 807																			●

※弊社、日本遺伝子研究所は  
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