



Dual labelled Probes - DLPs

Our Standard Dual-Labelled Fluorogenic Probes Portfolio

5 yield ranges* based on length independent delivered quantities from 6-40 bases.

- $\geq 5 < 10$ nmol
- $\geq 10 < 20$ nmol
- $\geq 20 < 30$ nmol
- $\geq 30 < 50$ nmol
- $\geq 50 < 70$ nmol

* based on oligonucleotides of 6-40 bases in length; please note that HPLC purification and QC by Mass-Check is included



Reporter-Quencher combinations

3' Quencher									
	TAMRA	BHQ ² -1	BHQ ² -2	BHQ ² -650	BHQ ² -3	Eclipse [®]	Dabcyl		
Abs range (nm)	470-560	480-580	550-650	550-750	620-730	390-625	380-550		
Abs max (nm)	544	535	579	650	672	522	453		
5' Reporter	Possible Combinations							Abs(nm)	Em(nm)
Atto 390	✓					✓	✓	390	476
Atto 425	✓	✓				✓	✓	439	485
LC [®] CYAN500		✓				✓	✓	450	500
6-Fam	✓	✓	✓			✓	✓	495	520
Fluo	✓	✓	✓			✓	✓	495	520
FITC	✓	✓	✓			✓	✓	490	525
Atto 495	✓	✓				✓	✓	498	526
Tet	✓	✓	✓			✓	✓	521	536
Atto 520	✓	✓				✓	✓	517	538
Joe	✓	✓				✓	✓	522	548
Yakima Yellow	✓	✓				✓	✓	530	549
Hex	✓	✓	✓	✓		✓	✓	535	556
Atto Rho6G	✓	✓	✓	✓		✓	✓	533	557
Cy3			✓	✓		✓		546	563
Tamra			✓	✓		✓		564	579
Rox	✓		✓	✓		✓	✓	576	601
Texas Red [®]			✓	✓		✓		586	610
LC [®] Red 610			✓	✓		✓		590	610
Atto Rho13			✓	✓	✓			603	627
DY480XL			✓	✓				500	630
LC [®] Red 640			✓	✓	✓			625	640
Atto Rho14			✓	✓	✓			625	646
Cy5			✓	✓	✓			646	662
Cy5.5	✓		✓	✓	✓			683	705
IRD [®] 700	✓		✓	✓	✓			683	705

5' Quencher									
	BHQ ² -1	BHQ ² -2	BHQ ² -650	Eclipse [®]	Dabcyl				
Abs range (nm)	480-580	550-650	550-750	620-730	380-550				
Abs max (nm)	535	579	650	672	453				
3' Reporter	Possible Combinations							Abs(nm)	Em(nm)
6-Fam	✓	✓		✓	✓			495	520
Fluo	✓	✓		✓	✓			495	520
Joe	✓			✓	✓	✓		522	548
Hex	✓			✓				535	556
Cy3		✓		✓				546	563
Rox		✓		✓	✓			576	601
LC [®] Red 610		✓	✓	✓	✓			590	610
LC [®] Red 640		✓	✓					625	640
Cy5		✓	✓					646	662
Cy5.5		✓	✓					683	705