

Real Time qPCR Instruments, Dyes & Probes¹

Model	Ch 1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Multiplexing
BioRad Laboratories								
MiniOpticon	FAM, ATTO 488	HEX, ATTO 550, Yakima Yellow, TET						2-plex
MyiQ	FAM, ATTO 488							1-plex
MyiQ2	FAM, ATTO 488	HEX, ATTO 550, DY-549, Cy3, TAMRA						2-plex
Chromo4	FAM, ATTO 488	JOE, Yakima Yellow, TET, HEX, Cy3, TAMRA, ATTO 550	Texas-Red, ROX, LC 610, Cy3.5	Cy5, DY-649, ATTO 647N				4-plex
iCycler iQ	FAM, ATTO 488	HEX, Yakima Yellow, TET, Cy3, ATTO 550, DY-549, JOE	Texas-Red, ROX	Cy5				4-plex
iCycler iQ5	FAM, ATTO 488	HEX, DY-549, TET, JOE	TAMRA, Cy3, ATTO 550, ATTO 565	Texas Red, ROX, Cy3.5, LC 610	Cy5, ATTO 647N, DY-649			5-plex
CFX-96	FAM, ATTO 488	HEX, DY-549, Yakima Yellow, JOE	Texas Red, ROX, LC 610, Cy3.5	Cy5, ATTO 647N, DY-649	LC 705, Cy5.5, ATTO 680			5-plex
CFX-384	FAM, ATTO 488	HEX, DY-549, Yakima Yellow, JOE	Texas Red, ROX, LC 610, Cy3.5	Cy5, ATTO 647N, DY-649				4-plex
Eppendorf								
Mastercycler realplex²	FAM, ATTO 488	HEX, JOE, TET, Yakima Yellow, ATTO 520						2-plex
Mastercycler realplex⁴	FAM, ATTO 488	HEX, JOE, TET, Yakima Yellow, ATTO 520	TAMRA, ATTO 550	ROX, Texas Red				4-plex
Life Technologies (ABI)								
StepOne	FAM	JOE, HEX, Yakima Yellow	ROX					3-plex
StepOnePlus	FAM	JOE, HEX, Yakima Yellow	TAMRA, ATTO 550, DY-549	ROX				4-plex
7000	FAM	Yakima Yellow, JOE	TAMRA	ROX				4-plex
7300	FAM	JOE, HEX, Yakima Yellow	TAMRA, ATTO 550, DY-549	ROX				4-plex
7500 (Fast / Fast Dx) Real Time	FAM	JOE, HEX, Yakima Yellow	TAMRA, ATTO 550, DY-549, Cy3	ROX, Texas Red	Cy5			5-plex
7700	FAM	JOE, HEX, TET, Yakima Yellow	TAMRA	ROX				4-plex
7900 HT	FAM	JOE, HEX, TET, Yakima Yellow	TAMRA, ATTO 550, DY-549	ROX				4-plex

Ch = Channel

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QIAGEN

Rotor-Gene Q 2plex	FAM,ATTO 488	JOE,HEX, TET, Yakima Yellow, ATTO 520						2-plex
Rotor-Gene Q 2plex HRM	FAM,ATTO 488	JOE,HEX, TET, Yakima Yellow, ATTO 520						2-plex
Rotor-Gene Q 5plex	FAM,ATTO 488	JOE,HEX, TET, Yakima Yellow, ATTO 520	ROX, Cy3.5, Texas Red	Cy5, LC 640, ATTO 647N, LC 670	LC 705, ATTO 680, Cy5.5			5-plex
Rotor-Gene Q 5plex HRM	FAM,ATTO 488	JOE,HEX, TET, Yakima Yellow, ATTO 520	ROX, Cy3.5, Texas Red	Cy5, LC 640, ATTO 647N, LC 670	LC 705, ATTO 680, Cy5.5			5-plex
Rotor-Gene Q 6plex	Alexa Fluor 350	FAM, ATTO 488	JOE,HEX, TET, Yakima Yellow, ATTO 520	ROX, Cy3.5, Texas Red	Cy5, LC 640, ATTO 647N, LC 670	LC 705, ATTO 680, Cy5.5		6-plex

Roche Applied Science

LC 1.2	FAM, ATTO 488, TET, ATTO 520, JOE, Yakima Yellow	ATTO 647N, LC 670, DY-649, Cy5.5, ATTO 680, LC 705						2-plex
LC 1.5	FAM, ATTO 488, ATTO 520, TET	ATTO 610, DY-610, LC 640	ATTO 680, LC 705, Cy5.5					2-plex
LC 2.0	FAM, ATTO 488, ATTO 520, TET	HEX, Yakima Yellow, DY-549, Cy3	LC 610, Texas Red, Cy3.5, ROX	ATTO 610, DY-610, LC 640	Cy5, ATTO 647N, DY-649, LC 670	Cy5.5, ATTO 680, LC 705		4-plex
LC 480	FAM	ATTO 488, TET	JOE, Yakima Yellow, HEX	ATTO 550, TAMRA, ATTO 565, LC 610, ROX	ATTO 610, DY-610, LC 640	Cy5, ATTO 647N		6-plex
LC 480 II	FAM	ATTO 488	TAMRA, Cy3	LC 610, Cy3.5, Texas Red	DY-610, ATTO 610, LC 640,	ATTO 647N, LC 670, DY-649, Cy5		6-plex
LC 1536	FAM, ATTO 488	HEX, TAMRA, Cy3						1-plex
LC Nano	FAM, ATTO 488	Yakima Yellow, HEX	LC 610, Texas Red, Cy3.5, ROX	Cy5				2-plex

Stratagene (Agilent Technologies)

MX3000P	FAM, ATTO 488	TET, ATTO 520	HEX, JOE, Yakima Yellow	Cy3, ATTO 550, DY-569	TAMRA, ATTO 565	ROX, Texas Red, LC 610, Cy3.5		
MX3005P	FAM, ATTO 488	TET, ATTO 521	HEX, JOE, Yakima Yellow	Cy3, ATTO 550, DY-569	TAMRA, ATTO 565	ROX, Texas Red, LC 610, Cy3.5	ATTO 633, ATTO 647N, Cy5	5-plex
MX4000	FAM, ATTO 488	TET, ATTO 522	HEX, JOE, Yakima Yellow	Cy3, ATTO 550, DY-569	TAMRA, ATTO 565	ROX, Texas Red, LC 610, Cy3.5	ATTO 633, ATTO 647N, Cy5	4-plex

Cepheid

Smart Cycler	FAM, ATTO 488	Cy3 , TET, ATTO 550, TAMRA	Texas Red, ROX, LC 610	Cy5, ATTO 647N, DY-649				4-plex
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THERMOFISHER								
QuantStudio 3	FAM	JOE,HEX, TET	ROX, Cy3,Texas Red	Texas Red				
QuantStudio 8	FAM	JOE,HEX, TET	ROX, Cy3,Texas Red	Texas Red,Cy5, Cy5.5	Cy5, Cy5.5	Cy5, Cy5.5		
BIOER								
Linegene 9600-plus	FAM	VIC, HEX, TET, JOE, CY3, TAMRA	ROX, CY3, TEXAS RED	TEXAS RED y CY5.	CY5.	CY5.		