

Compatibility Cyclers Channels Vs Fluorescent Dyes



Thermocycler	Blue channel	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7
GeneAmp [®] SDS 5700		FAM	AP5/YY/JOE/VIC/TET*	DFO*/TAMRA/NED				
ABI Prism [®] SDS 7000		FAM	AP5/YY/JOE/VIC/TET*	DFO*/TAMRA/NED	ROX	-		
ABI Prism [®] SDS 7700		FAM	AP5/YY/JOE/VIC/TET*	DFO*/TAMRA/NED	ROX	-		
ABI Prism [®] SDS 7900 HT		FAM	AP5/YY/JOE/VIC/TET*	DFO*/TAMRA/NED	ROX	-		
ABI Prism [®] SDS 7300		FAM	AP5/YY/JOE/VIC/TET*	DFO*/TAMRA/NED	ROX	-		
ABI Prism [®] SDS 7500		FAM	AP5/YY*/HEX*/JOE/VIC/TET*	DFO*/TAMRA/Cy ³ /NED	ROX/TR	Cy ⁵ /HL647	-	
Quantstudio [™] 3, 5, 6, 7		FAM	AP5/YY*/HEX*/JOE/VIC/TET*	DFO*/TAMRA/Cy ³ /NED	ROX/TR	Cy ⁵ /HL647	-	
Quantstudio [™] 7		FAM	AP5/YY*/HEX*/JOE/VIC/TET*	DFO*/TAMRA/Cy ³ /NED	ROX/TR	Cy ⁵ /HL647	Cy ^{5.5} /ATTO 700	
ViiA7		FAM	AP5/YY*/HEX/JOE/VIC/TET	DFO*/TAMRA/NED	ROX/TR*	LIZ/ATTO 633	ATTO 680/Alexa Fluor [®] 680	
StepOne [®]		FAM	AP5/YY*/HEX*/JOE/VIC/TET*	ROX	-	-		
StepOnePlus [®]		FAM	AP5/YY*/HEX*/JOE/VIC/TET*	DFO*/TAMRA/Cy ³ /NED	ROX	-		
Cycler iQ [®]		FAM	AP5/YY*/HEX/Cy ³ /TET	DFO*/TAMRA/Cy ³ /NED	ROX/TR	Cy ⁵		
My iQ [®]		FAM	-					
iQ5		FAM	AP5/YY*/HEX/JOE/TET	DFO*/TAMRA/Cy ³ /NED	ROX/TR	Cy ⁵	-	
CFX 96 [®]		FAM	AP5/YY*/HEX/JOE*/TET	ROX / TR	Cy ⁵	Cy ^{5.5}		
MiniOpticon [®]		FAM	AP5/YY*/HEX/TET*	-	-	-		
DNA Engine Opticon [®] 1		FAM	-	-	-	-		
DNA Engine Opticon [®] 2		FAM	AP5/YY/HEX/TAMRA/VIC/TET	-	-	-		
Chromo 4 [®]		FAM	AP5/YY*/HEX/TAMRA/Cy ³ JOE/VIC/TET	ROX/TR	Cy ⁵	-		
Mx3000P [®] (choice of 4 filters)		FAM	TET	YY*/HEX/JOE/VIC	Cy ³	DFO/TAMRA/NED	TR/ROX	Cy ⁵
Mx3005P [®] (choice of 5 filters)	Epoch Blue / Alexa Fluor [®] 350	FAM	TET	YY*/HEX/JOE/VIC	Cy ³	DFO/TAMRA/NED	TR/ROX	Cy ⁵
Mx4000 [®] (choice of 4 filters)		FAM	TET	YY*/HEX/JOE/VIC	Cy ³	DFO/TAMRA/NED	TR/ROX	Cy ⁵
AriaMx (choice of up to 6 filters)	ATTO 425	FAM	HEX	Cy ³	ROX	Cy ⁵		
Mastercycler [®] ep realplex2		FAM	AP5/YY/HEX/JOE/VIC/TET	-	-	-		
Mastercycler [®] ep realplex4		FAM	AP5/YY/HEX/TET/JOE/VIC	DFO*/TAMRA	ROX	-		
LightCycler [®] 1.5		FAM	AP5/YY/HEX/JOE/VIC/TET	Cy ⁵	-			
LightCycler [®] 2		FAM	AP5/HEX/YY*/JOE*/VIC	TR/LC Red 610	ATTO 620/LC Red 640	Cy ⁵ /LC Red 670	LC Red 705/ATTO 680	
LightCycler 480 [®] I	ATTO 425	FAM	AP5/YY/HEX/JOE/VIC	ROX/TR/LC Red 610	ATTO 620/LC Red 640	Cy ⁵		
LightCycler 480 [®] II	ATTO 425	FAM	AP5/YY/HEX/JOE/VIC	ROX / TR/LC Red 610	ATTO 620/LC Red 640	Cy ⁵ / Cy ^{5.5}		
LightCycler 96		FAM	AP5/YY/HEX/VIC	TR/LC Red 610	Cy ⁵			
Smartcycler [®] 1		FAM	AP5/YY/Cy ³ /JOE/VIC/TET	TR	Cy ⁵			
Smartcycler [®] 2		FAM	AP5/Cy ³ /YY*/JOE*/TET	TR/ROX	Cy ⁵			
Rotor-Gene [™] 2000 / 3000		FAM	AP5/YY*/JOE/VIC/TET	TAMRA/ROX/Cy ^{3.5} /TR	Cy ⁵			
Rotor-Gene [™] 6000	Epoch Blue / Alexa Fluor [®] 350	FAM	AP5/YY/HEX/JOE/VIC/TET	TAMRA/ROX/Cy ^{3.5} /TR	Cy ⁵	ATTO 680		
PikoReal		FAM	AP5/HEX/YY	ROX/TR	Cy ⁵			
Qtower		FAM	AP5/YY/HEX/JOE/VIC	DFO/TAMRA/NED	ROX /TR/Cy ^{3.5} *	Cy ⁵	Cy ^{5.5}	

* perform a dye calibration for optimal results

For complementary information, please refer to instrument manufacturer technical guide or contact us at scientific.support@eurogentec.com

YY = Yakima Yellow[®]
DFO = Dragonfly Orange[™]

TR = Texas Red[®]
In blue = Recommended by Eurogentec

In black = Not available at Eurogentec
In grey = Not available at Eurogentec