

Real time PCR システム及び蛍光色素の対応表

内容の詳細に関しては、Real time PCRシステム各メーカーにお問い合わせ下さい。

Cycler	Excitation wave length	detectable emission wavelength	Possible Reporter dyes
			recommended/installed by default
ABI 5700	485 nm	530-590 nm	
ABI 7000	495 nm	4 Filter A : ~ 500-535 nm B : ~ 540-570 nm C : ~ 570-590 nm D : ~ 600-625 nm	FAM/SYBR VIC/JOE NED/TMR ROX
ABI 7700	488 nm	500-660 nm	FAM/JOE/NED ROX/SYBRGreen TAMRA/VIC
ABI 7900HT	488 nm	500-660 nm	FAM/JOE/NED ROX/SYBRGreen TAMRA/VIC
Biorad I-Cycler	400-700 nm	400-700 nm F1 F2 F3 F4	up to 4plex FAM/HEX/TxRed/Cy5 FAM HEX TxRed/ROX Cy5
Strataeene MX4000	350-750 nm	350-830 nm F1 F2 F3 F4	up to 4plex FAM HEX TxRed,ROX Cy5
Corbett Research Rotoraeene	470 nm 530 nm 585 nm 625 nm	510 nm 555 nm 610 nm 660 nm 580 nm high pass	FAM TET/JOE/VIC TxRed/ROX Cy5 Cy3/TMR
MJ Research Opticon 1	450-495 nm	515-545 nm	SvbrGreen I/FAM
MJ Research DNA Engine Opticon 2	470-505 nm	F1 : 523-543 nm F2 : 540-700 nm	SvbrGreen I/FAM TET/HEX/VIC/TAMRA ROX can be detected
ROCHE LightCycler	470 nm	F1 : 530 nm F2 : 640 nm F3 : 710 nm	SvbrGreen/FAM LC Red 640 LC Red 705
Cepheid Samrtcycler	450-495 500-550 565-590 630-650	510-527 565-590 606-650 670-750	FAM Cy3 TxRed Cy5