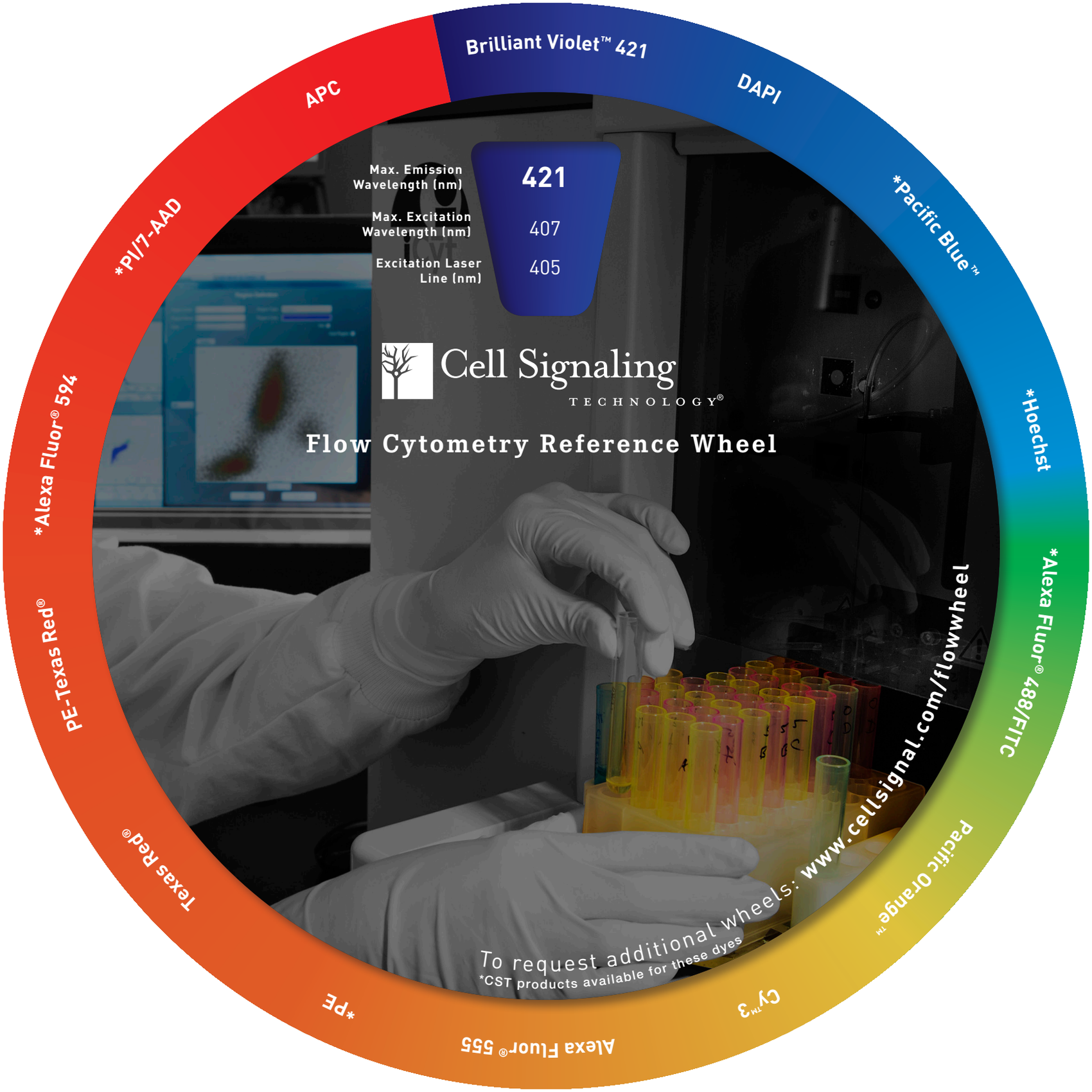
Brilliant Violet™ 421
DAPI
*Pacific Blue™
*Hoechst
*Alexa Fluor® 488/FITC
Pacific Orange™
Cy™3
Alexa Fluor® 555
*PE
Texas Red®
PE-Texas Red®
*Alexa Fluor® 594
*PI/7-AAD
APC
Max. Emission Wavelength (nm)
421
Max. Excitation Wavelength (nm)
407
Excitation Laser Line (nm)
405
Cell Signaling
TECHNOLOGY®
Flow Cytometry Reference Wheel
To request additional wheels: www.cellsignal.com/flowwheel
*CST products available for these dyes


Alexa Fluor® 647*
PE-Cy™5
PerCP
*DRAQ7™
*DRAQ5®
PE-Cy™5.5
APC-Cy™5.5
PerCP-Cy™ 5.5
*DyLight™ 680
Alexa Fluor® 700
APC-Cy™7
PE-Cy™7
*DyLight™ 800
Alexa Fluor® 790
Max. Emission Wavelength (nm)
665
Max. Excitation Wavelength (nm)
650
Excitation Laser Line (nm)
633/635
Tips for selecting fluorochromes for multicolor flow cytometry
Research the fluorochrome properties – ex. tandem dyes are sensitive to photobleaching and can become uncoupled; some fluorochromes are better suited for intracellular staining than others (ex. PE-Cy™5 can withstand the harsh washing conditions required for intracellular staining).
To limit the amount of compensation required, select a single fluorochrome in each laser excitation range, rather than exciting multiple fluorochromes with the same laser.
Choose fluorochromes with the least amount of spectral overlap.
Select the brightest fluorochromes that can be detected by your instrument.
Pair the brightest fluorochromes with the lower expressing proteins and the dimmer fluorochromes with the highly expressed proteins.
Cell Signaling TECHNOLOGY®
For additional flow cytometry resources: www.cellsignal.com/flow
SW500033P
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