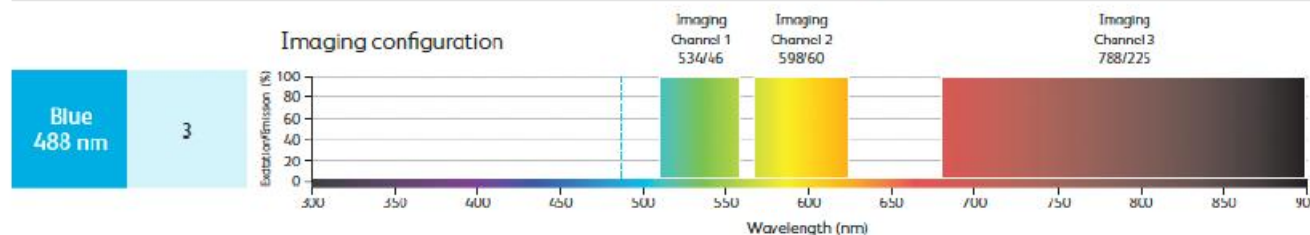
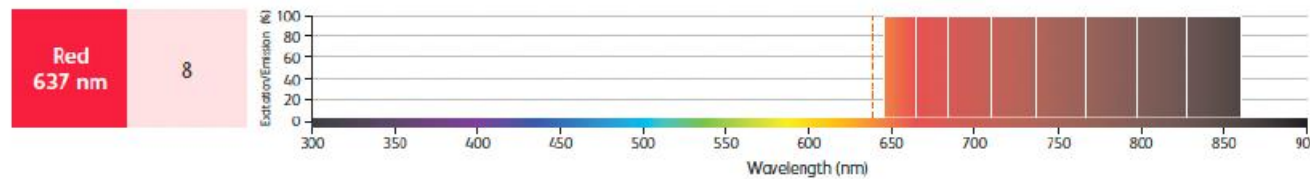
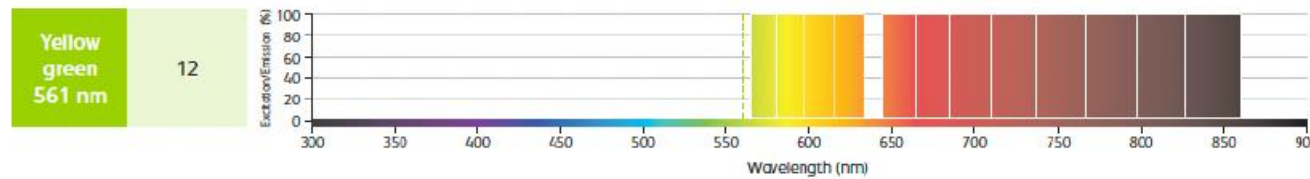
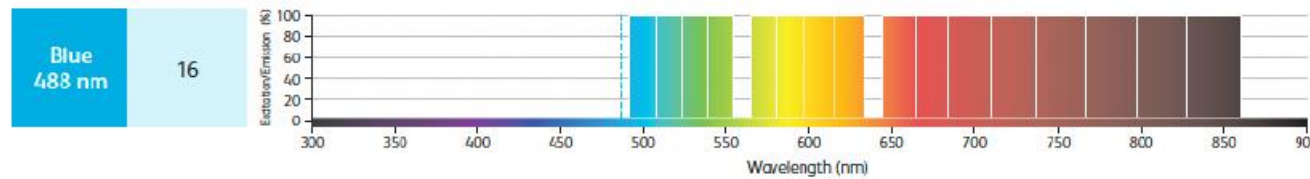
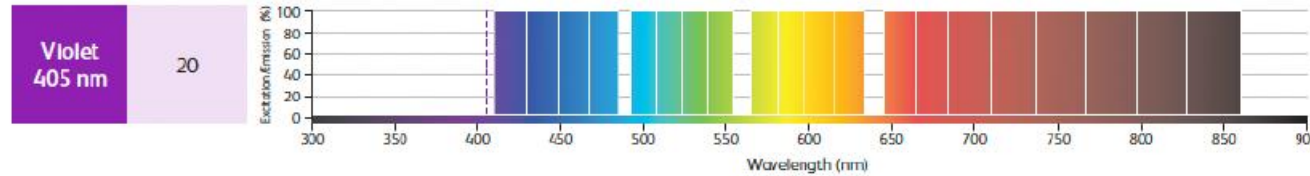


Trieur Discover S8 4 lasers (405nm, 488nm, 561nm, 637nm)

L1, Bâtiment Franklin, Gerland



Imaging optics

Image-enabled detectors

Blue laser scatter detectors

Forward scatter (FSC), Side scatter (SSC), Axial light loss (ALL)

Fluorescence detectors for imaging (PMTs):

FL1: LP505: 534/46

FL2: LP570: 600/60

FL3: LP675: 788/225

Imaging features

Center of mass X
Center of mass Y
Correlation
Delta center of mass
Diffusivity
Eccentricity
Max intensity
Moment (long)
Moment (short)
Radial moment
Size
Total intensity

Nozzles, pressure and frequency

85- μ m nozzle: 35 psi, 57 KHz

100- μ m nozzle: 20 psi, 34 KHz

130- μ m nozzle: 7 psi, 15 KHz

85- μ m nozzle – up to 6-way sorting

100- μ m nozzle – up to 4-way sorting

130- μ m nozzle – up to 2-way sorting

Sort collection devices

Tube sorting: 1.5-mL microtubes, 2.0-mL tubes and 5.0-mL 12x75-mm tubes

Plate sorting: 6-, 24-, 48-, 96- and 384-well plates, microscope slide (optional)

Index sorting

Correlation of imaging features and traditional spectral flow cytometry parameters of sorted events with well location of a multi-well plate.

