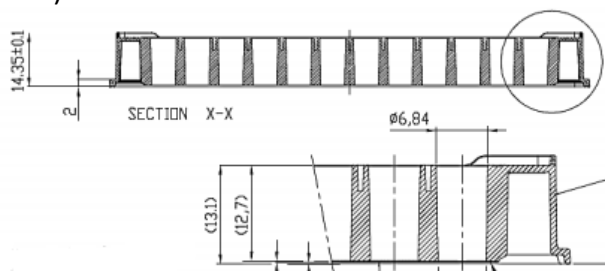


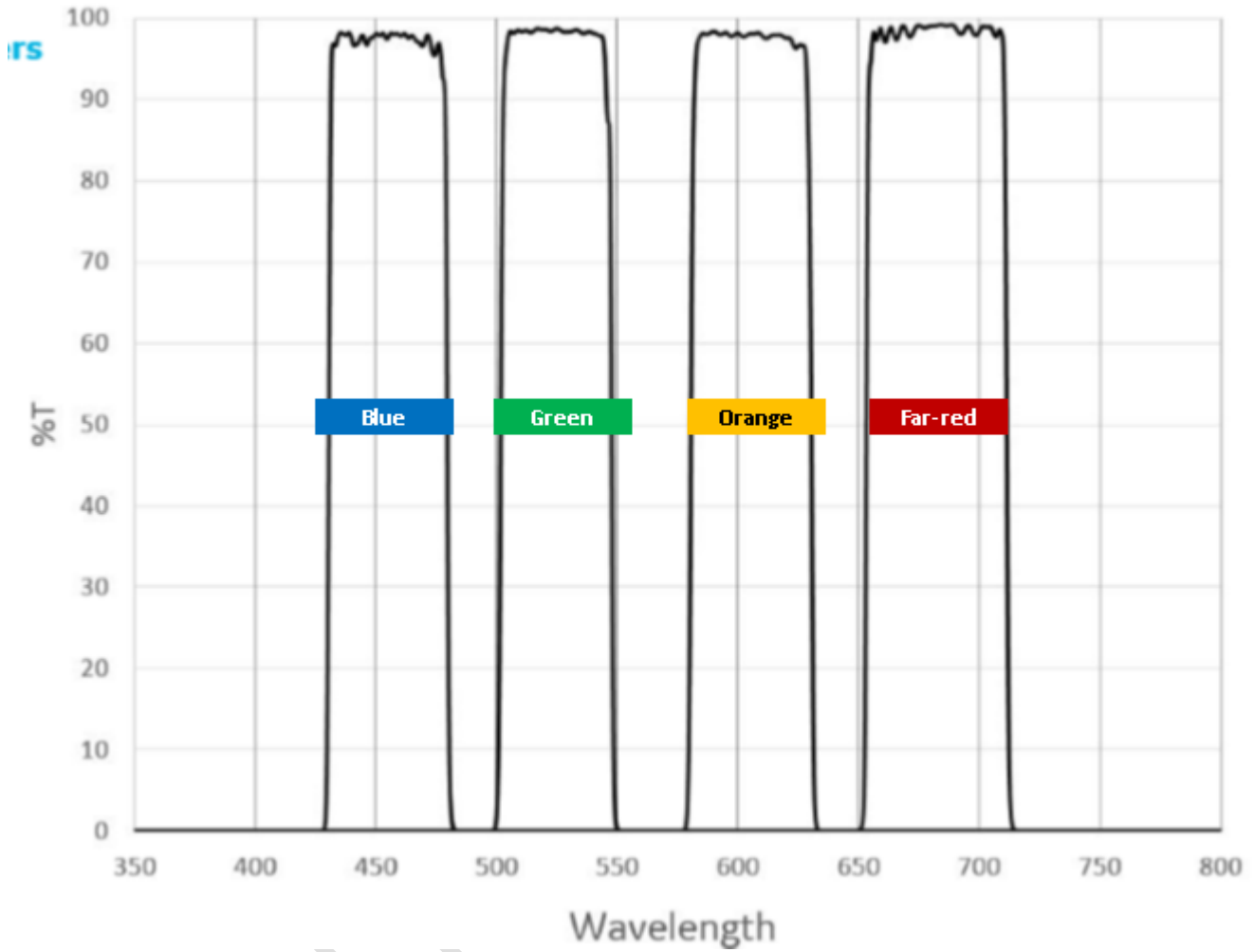
GE IN Cell Analyzer 6500 HS

Overview of IN Cell Analyzer 6500 HS specification

Objective lens selection											
Laser excitation	<p>405 nm, solid-state laser rated power = 100 mW 488 nm, solid-state laser rated power = 30 mW 561 nm, solid-state laser rated power = 30 mW 642 nm, solid-state laser rated power = 30 mW</p>										
Channels	<p>Brightfield Fluorescence (Blue, Green, Orange and Far-red) **Excitation and Emission combinations are freely adjustable.</p> <table border="1"> <tr> <td colspan="2">Emission filter wavelengths</td> </tr> <tr> <td>Blue</td> <td>430nm-470nm</td> </tr> <tr> <td>Green</td> <td>500nm – 550nm</td> </tr> <tr> <td>Orange</td> <td>570nm – 630nm</td> </tr> <tr> <td>Far-red</td> <td>650nm – 720nm</td> </tr> </table> <p>4-band Emission polychoric filter Blue, Green, Orange and Far-red</p>	Emission filter wavelengths		Blue	430nm-470nm	Green	500nm – 550nm	Orange	570nm – 630nm	Far-red	650nm – 720nm
Emission filter wavelengths											
Blue	430nm-470nm										
Green	500nm – 550nm										
Orange	570nm – 630nm										
Far-red	650nm – 720nm										
Imaging modes	Widefield, IRIS confocal, EDGE confocal										
Camera Specification	<p>PCO Edge 4.2 sCMOS camera 16-bit; 2048*2048 pixels Up to 82% quantum efficiency (varies per wavelength) On chip pixel size 6.5µm²</p>										
Incubation	<p>Live cell incubation gas mixer: Temperature 25°C – 42°C adjustable CO₂ adjustable from 0% to 20% O₂ adjustable from 0% to 20%</p>										
File format	<p>Folder containing 16-bit TIFF images with .xdce file directory. If for 3rd party software downstream processing = TIFF If for IN Carta analysis software = both TIFF & .xdce file</p>										
Data Size	<p>Example 2 channels, 1 field-of-view, 96 wells, bin 1x1 = 1.5 Gb per plate</p>										
Sample carrier type	<p>Primarily for: 96-well, 384-well microplates (bottom thickness <0.2 mm is preferred to use full range of objective lens)</p>  <p>Compatible with: 6-well, 12-well, 24-well conventional tissue culture plate (only work with 4X and 10X lenses) 35 mm confocal dish. Glass slides. Chambered coverglass.</p>										

Objective selection

Emission Filter Spectra:



FACULTY