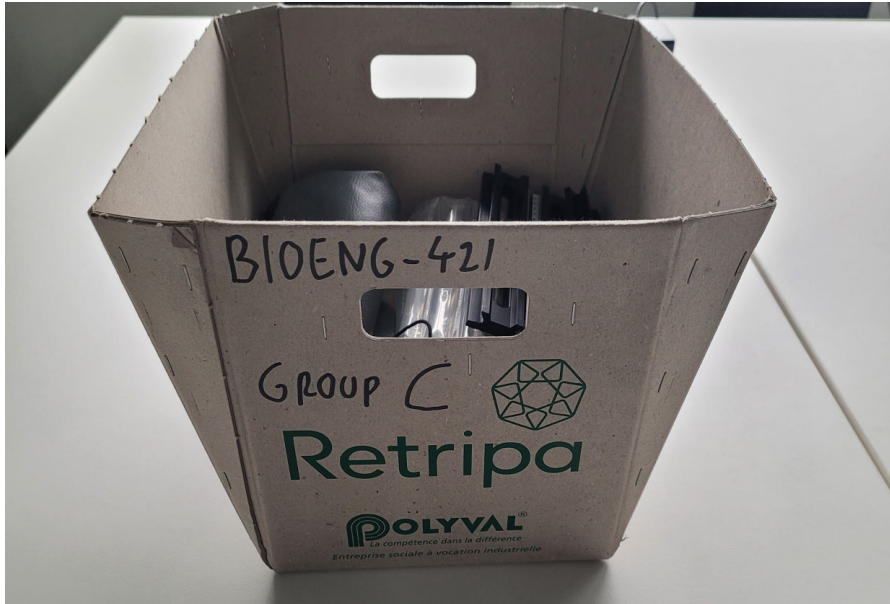
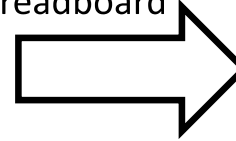


Your course inventory



assemble on
breadboard



Group A: Mass Spectrometry (practical session 8.30am –10.30am, 473nm laser, microscope to the right)

Group B: NGS (practical session 8.30am –10.30am, 561nm laser, microscope to the right)

Your course inventory



Safety goggles



PMT



PMT mount

connectors



filter
mount for PMT



2x riders for
mirror mounts



2x rail
mounts



2x 20cm rail
1x 30cm rail



laser mount

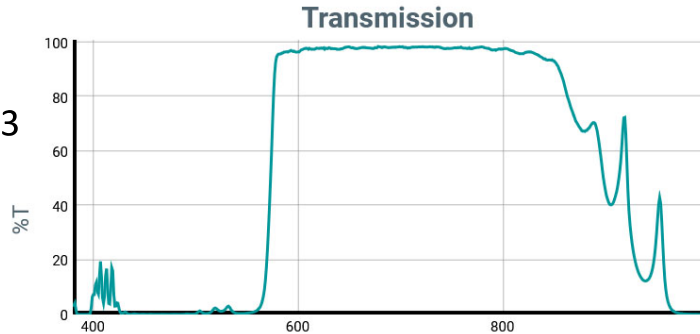


473nm OR 561nm laser

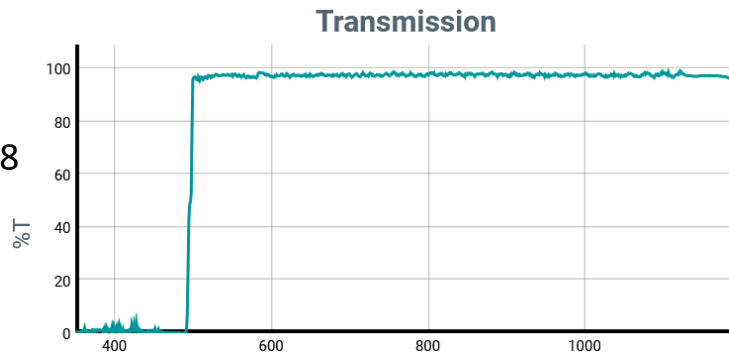
- + filters & mirrors (details on next slide)
- + screws, wires, crimps & alignment tools

Mirrors (already mounted)

Dichroic F48-553

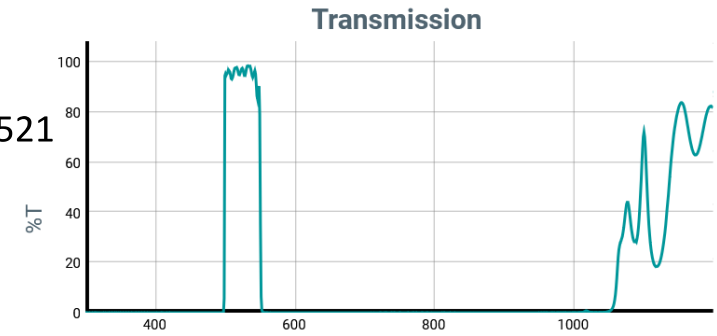


Dichroic F38-488

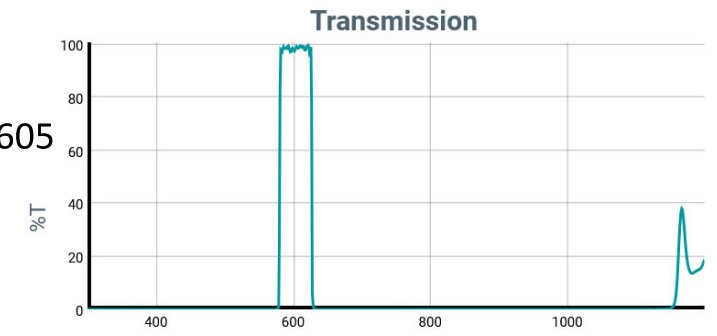


Filters

Filter F37-521

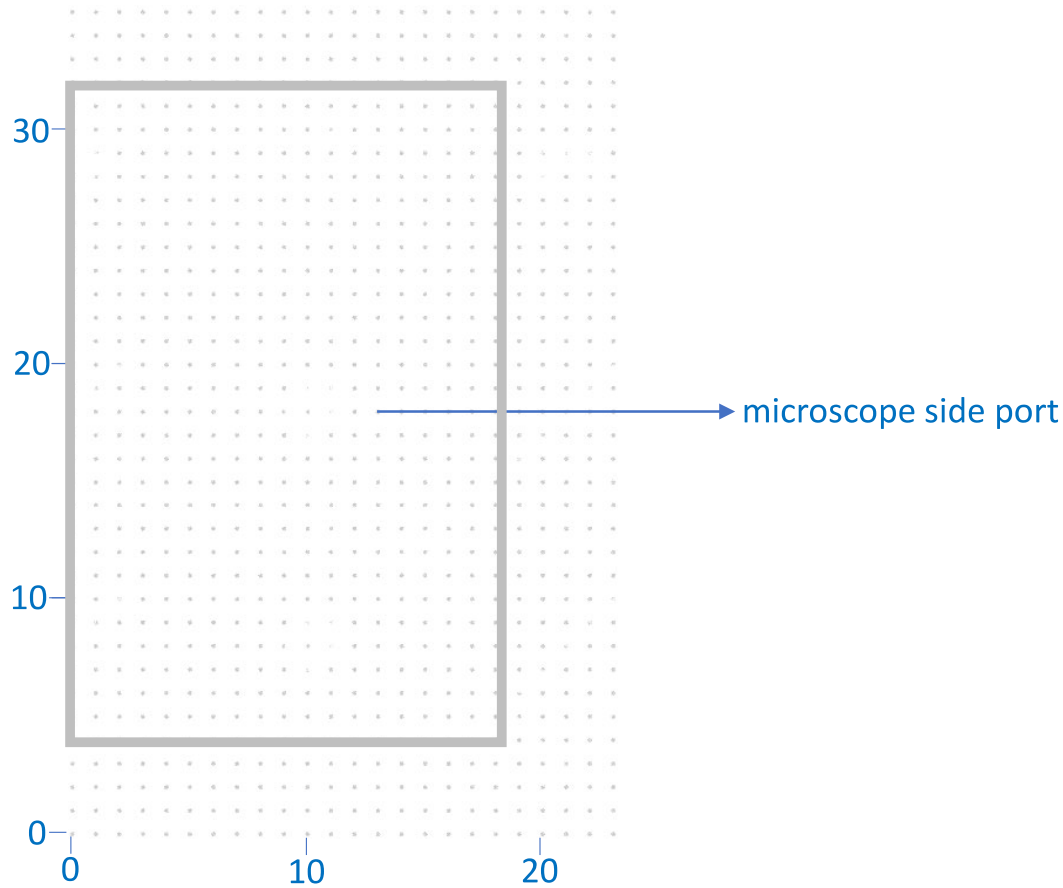


Filter F49-605



+ Full reflective mirror

BIOENG-421 single channel setup



Specify the exact position of all required parts on the breadboard. Choose the right filters (e.g. Dichroic FX and Filter FY - see full choice on previous slide) and indicate their position in a ray diagram.