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Consejo Superior de Investigaciones Científicas
Junta de Andalucía
Universidad de Sevilla

Specific Use Rules for FPLC Service

- ✓ Only authorised users will have access to the equipment. They will be given a user name, a password to access the computer controlling the spectrometer and a secure folder to save their experiment data.
- ✓ To use the equipment, users must reserve on the Biomolecular Interaction Platform web application in advance. Reservations are personal. Reservations must include the service modality, use of service columns, and type of column used.
- ✓ Users must read and follow the instructions manual for each type of column to fully understand the safe use of them. The manuals of service columns are located in the local BIP server at: \\bau\BIP\BIP_utilities\FPLC.
- ✓ Users must centrifuge and filter the samples prior sample loading.
- ✓ Users must connect and disconnect the columns with a low flow (0.5mL/min) in a *drop-to-drop* style to ensure that no air bubbles will enter in them.
- ✓ In order to conserve lamp life of multi-wavelength UV/VIS detector, users must open the corresponding dialog box on the fluidic scheme in the System Control tab and turn off the UV/Vis lamps when the instrument or detector is not in use.
- ✓ In order to conserve pH detector life, users must open the corresponding dialog box on the fluidic scheme in the System Control tab and change the pH valve to bypass when the instrument or detector is not in use.



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- ✓ After purification, users must rinse the system with water (miliQ grade) while simultaneously switching valves through each position used. Users must then place all the pump inlet lines in storage solution (20% EtOH HPLC grade), flush the system while simultaneously switching valves through each position used, disconnect and store the columns with plugs at each end in the laboratory refrigerator.
- ✓ To guarantee that there are no delays for the next user, make sure everything in the equipment is back in the correct conditions when the shift is finished.
- ✓ At the end of the shift, users must logout leaving the used material in its right place.
- ✓ Users must register in the log book any incidence or observation that may be relevant to the rest of the users.
- ✓ Authorised users are responsible for their own consumables.
- ✓ Users will be liable for reimbursement if any faults/breakdowns are caused by negligence or misuse of the equipment.