

LAB-120: Qualification of Laboratory Instruments

Table 1: Guidelines for Major and Minor Repairs of HPLC Systems

Table 1 Guidelines for Major and Minor Repairs of HPLC Systems

Device	Major Repair	Minor Repair
Solvent Delivery Systems	CPU / Control Printed Circuit Boards (PCBs) Driver PCBs Motors Gears Castings Gradient Proportioning Valves Pump Control Modules Automated Gradient Controllers	Front Panels Power Supplies Column Heater Plungers Seals Pressure Transducer Fans Fuses Miscellaneous
Injectors	CPU / Control PCBs Driver PCBs Complete Injector Assemblies Complete valve Assemblies Fluid Packs	Front Panels Power Supplies Pressure Transducers Seal Pack and Needle Valve Seals Heater Chiller Column Heater Fans Fuses Miscellaneous

Device	Major Repair	Minor Repair
Detectors	Cell Assemblies CPU / Control PCBs Analogue PCBs Preamp PCBs Optics Benches Gratings Grating Drive Devices Mirrors Beam Splitters Photodiode Arrays Photomultiplier Tubes Optical Slits	Front Panels Power Supplies Lamps Photodiodes Cell Windows Fans Fuses Miscellaneous