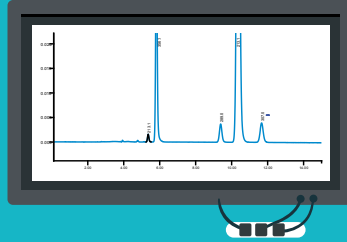


The Key to Clinical LC-MS Success: Site Preparation

Thorough site preparation is required before the installation of any new LC-MS system. To many laboratories, this may seem a time consuming and daunting step that cannot be managed appropriately amidst high-volume workloads, staffing shortages, and lack of expertise. The good news is that Waters is there to help. Ultimately, inadequate site preparation could nullify the warranty on your instrument, so it is important to get this step right.



KEY USERS

- > Advanced LC-MS systems benefit from a single or a few key users.
- > Standardize key protocols: start-up, shutdown, calibration, and cleaning.

CONSUMABLES & REAGENTS

- > Gases, solvents, cleaning agents, calibration standards, and test chemicals are all required.
- > Nitrogen gas generator is required for drying and pressurizing the system.
- > All reagents must be HPLC-grade (*i.e.* ultrapure).
- > Ultrasonic bath and surfactant-free vessels required for solvent handling and cleaning of supplies.

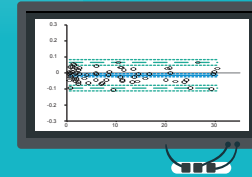


ENVIRONMENTAL CONDITIONS

- > Instruments are tested to a maximum and minimum of temperature, humidity, particulate matter, electrostatic discharge, and radio frequencies.
- Considerations:**
- > Heat emission from other instruments and lab personnel.
 - > Electrostatic discharge from mobile phones.
 - > Pollution and altitude carefully controlled.

WASTE DISPOSAL

- > Multiple exhaust points - waste will need to be disposed of.
- > Proper handling and disposal of hazardous chemicals or human material for safety.



EVALUATE SPACE & LOAD

- > Ensure laboratory entrance and space meets requirements.
- > Ergonomic workspace setup.
- > Enough room for maintenance and ventilation.
- > Workbench must be able to support the load of the equipment.



POWER

- > Enough safe power outlets with correct voltage for all modules.
- > Voltage must not fluctuate.

