
WCAC AGILENT Q-LCMS USAGE RULES

15AUG2014

THE AGILENT SINGLE QUAD LCMS IS A MIXED-USE INSTRUMENT

WEEKDAYS BETWEEN 8AM - 7PM: 30 MIN MAX USE PER RUN.

WEEKENDS & 7PM-8AM: RESERVE AT: <http://scheduler.yale.edu>

Q-LCMS USE:

1. **Use the instrument only after training by WCAC Staff.**
2. All Runs through EZAccess Only
3. Pick a validated method to run.
4. Filename: Use alphanumeric characters only.
5. **DO NOT EDIT METHODS THAT ARE NOT YOUR OWN.**

SAMPLES:

1. Keep the concentration of you solvents below 1mg/ml.
2. **FILTER ALL SAMPLES!** Also, make sure that it is not likely to crash during the gradient run.
3. Start with 2 μ L injection, increase in subsequent run if necessary.
4. Do not use halogenated solvents (e.g., CHCl₃, CH₂Cl₂).
5. Clearly label and cap vial. Vials are discarded unless specified.

VIALS:**Recommended-many others may be substituted (see staff):**

1. Agilent 2ml glass: 5182-0714. Cap: 5182-0717 Available insert: 5181-8872
2. Agilent 250ul polyprop.: 5188-2788. Cap: 5182-0540

SOLVENTS:

1. Bottle A1: Water with 0.1% Formic Acid /B1: CH₃CN with 0.1% Formic Acid
2. Bottle A2: Water/B2:MeOH
3. Solvents are stored in labeled bottles under the chemical hood in MIC109.
4. Reset solvent levels in the software after filling.
5. Check solvent levels (physically and in the software) before batch/long runs.

DATA ANALYSIS:

1. Instrument computer for acquiring data ONLY. Data should be analyzed in your lab or in a secondary computer in WCAC. Please see Terence Wu if you want a copy of the software to use on your computer.

Night QUEUE:

1. Reservations can be made in 1h increments. You will continue to be charged at \$1/sample. To cancel email WCAC staff.
2. The Reservation website (<http://scheduler.yale.edu>), is bookmarked on internet explorer on the desktop.
3. Night queue starts at 7:00pm. Runs can be set up ahead of time.