

Analytical Chemistry Lab

Equipment / Technology:

The MSM Analytical Chemistry Lab is equipped with three Agilent (HP) 1100 series high HPLC systems. The HPLC systems in the ACL include: a) An HP (Agilent) 1100 series HPLC equipped with a Diode Array Detector (DAD), a Variable Wavelength Detector (VWD) and a 1046A Fluorescence Detector (FD); b) An HP (Agilent) 1100 series HPLC equipped with a 1100 series Fluorescence Detector (FD) and an Agilent 1049A Electrochemical Detector (ECD) is available for analyzing catecholamines.

The lab also has a Spectromax Plus which is a UV/VIS variable wavelength microtiter plate reader with Softmax Pro software used for performing colorimetric spectrophotometry and immunoassays. Additionally, there is an Electrolytes Analyzzer as well as the following prep equipments: pH meters, vortexers, shakers, centrifuges, incubators, evaporat and mixers

Service Charges:

The Analytical Chemistry Laboratory performs custom testing and has a standard fee schedule for services. The fee structure is based on the amount of time required to process the samples (extraction, derivatization, etc.) and the cost of supplies and reagents. For non-NIH sponsored projects (MSM and outside institutions and corporations), labor costs are assessed. A complete listing of currently available tests or cost per requested assay can be emailed or faxed upon request. Additionally, since the Analytical Chemistry Laboratory performs custom testing, if the assay that you want is not on the list, please contact the core leader directly for test availability and the most up-to-date pricing.



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