Facilities and Resources

Fields Relevant for the Emory HPLC Bioanalytical Core (EHBC)

The Emory HPLC Bioanalytical Core (EHBC), one of the Emory Integrated Core Facilities (EICF), is supported the Georgia Clinical & Translational Science Alliance, and the Emory University School of Medicine. The HPLC Bioanalytical Core measures monoamines, purines, and amino acids using HPLC methods in biological matrices including tissue extract, cell lysate, plasma, serum, CSF, urine, microdialysate. In addition, we provide expertise to develop and validate HPLC method to measure some drugs, endogenous compounds, peptides, and proteins.

Emory HPLC Bioanalytical Core (EHBC) is located at the Woodruff Memorial Building Room 6306 and occupies 400 sq.ft of space. The core is equipped with three UPLC/UHPLC/HPLC systems, which includes one ACQUITY UPLC H-Class PLUS System, one ACQUITY UHPLC Arc System and ESA Coularray System. The Core also has access to additional equipment for sample preparation including a SpectraMax M5e spectrophotometer (Molecular Devices, Sunnyvale CA) which is a UV/Vis variable wavelength microtiter plate reader with Softmax Pro software used for performing colorimetric spectrophotometrical protein assays, QSONICA Q500 sonicator, and Branson sonifier 450 which is used for tissue homogenization. Also available are a Millipore Water system, centrifuges, sonicator, pH meters, balances, oven, refrigerators, hot plates, stirrers, -70˚C freezers, and other standard equipment.