Specifications for George Mason University’s Shared Research Instrumentation Facility’s HPLC system #2 located in Room 221, Discovery Hall, Prince William Campus.

For further information see http://www.gmu.edu/departments/SRIF or write to the SRIF Lab Manager, Tom Huff at thuff@gmu.edu.

**Agilent Technologies HPLC System #2**

**Instrument uses**

The Agilent Technologies HPLC system #2 determines the concentrations of target solutes in dilute, liquid sample mixtures. It works best for the following applications:

- aqueous samples such as cell extracts, plasma or environmental samples
- analytes with UV absorbance such as aromatic compounds
- analytes with VIS absorbance such as pigments or dyes
- analytes which can be easily oxidized or reduced
- determining the presence and concentration of a specific target compound
- isolating individual solutes from a mixture of solutes

**Specifications**

**Manufacturer:** Agilent Technologies Life Sciences/Chemical Analysis (Palo Alto, CA). http://www.chem.agilent.com/

**HPLC:** Agilent Technologies 1100 Series component system with

- up to four solvents mixing in gradient or isocratic mode
- flow-through seal wash system
- inline vacuum degassing
- heated column compartment

**Detectors:**

- UV-VIS Diode Array Detector
- Electrochemical detector

**Miscellany**

- Stand-alone programmable fraction collector

**Data System:** LC ChemStation software for instrument control and data analysis