

## **FT-IR**

Apparatus: Thermo Scientific Nicolet iS 50

Description: FT-IR (Thermo Scientific Nicolet iS 50, equipped with environmental chamber and gas cell) is used to acquire an infrared spectrum of absorption or emission of a solid, liquid or gas. The resulting spectrum represents the molecular absorption and transmission, creating a molecular fingerprint of the sample. FTIR can also be used to identify unknown materials, determine the quality or consistency of a sample.

- Dual light source
- Three detectors for the main sample compartment
- High-resolution standard
- All gold optics standard
- Equipped with environmental chamber for DRIFTS to obtain in-situ IR signal
- Equipped with gas cell in capable of simultaneously quantitatively analyzing dozens of gaseous compounds

### **Charging Standard (Per sample):**

\$50 (Internal) \$100 (External academic) \$200 (Industry user)

### **Current Situation:**

It's in good condition for service.

### **Contact information :**

Jack Jarvis

E-mail : [jack.jarvis@ucalgary.ca](mailto:jack.jarvis@ucalgary.ca)

Location : ENG 403